



ADDENDUM NO. 2 REQUEST FOR PROPOSALS 2023-039

KITSAP COUNTY

TO: All Respondents

FROM: Glen McNeill, Kitsap County Purchasing Supervisor

CLOSING DATE: Friday September 8 at 3:00 PM [UNCHANGED from Amendment 1]

REF NO.: 023-039 Juvenile Detention Painting Project

DATE: 08/18/2023

In response to questions received, the following information is provided to assist in responding to the above-referenced Request for Proposals 2023-039.

1. Plans & Drawings

Will plans and drawings be provided at the site visit, or shall we be prepared to measure?

A: We are not able to provide detailed plans of the detention facility due to security reasons the are square footages and rooms are provided below.

2. Quality Assurance, Applicator Qualifications:

Shall we submit employee/painter qualifications with our bid response to document their Journey level status?

A: Workers assigned to this contract will need to have fingerprint-based background checks completed by Kitsap County Juvenile and Family Court Services prior to performing any work at the facility. Appointments can be made by contacting Jack Kissler at 360.337.5412.

3. Extra Stock

We are to “furnish one properly filled, labeled and sealed gallon can of each type of finish coat of each color taken from the batch mix furnished for the work”.

Shall we provide one gallon units in the manufacturers original labeled gallon unit or may we submit in a gallon container that we have properly labeled for type/color as requested?

A: Please provide one gallon units in the manufacturers original labeled gallon.

Juvenile Paint Types:

Interior Finishes:

Drywall

2 Coats: PM200 HP 0 EG EW

- Location: Administrative Building

Notes: Common area Walls, SW 7029 Agreeable Gray

Spot Prime: B51W00620 - Prep Rite® Pro-Block® Interior/Exterior Latex Primer/Sealer White

- Location: Administrative Building

Notes: As needed for stains

Galvanized Metal

2 Coats: PM200 HP 0 EG EW

- Location: Administrative Building

Notes: Frames/access doors, SW 6475 Country Squire

Spot Prime: B66W01310 - PI PROCRYL PR OF W

- Location: Administrative Building

Notes: Frames/access doors exposed metal

Block (Cinder and Concrete)

2 Coats: B73W00361 - Pro Industrial Water based Epoxy Eg-Shel (Part A) Extra White / Tint Base

- Location: Detention Center cell walls, SW 7029 Agreeable Gray

Notes: concrete block/drywall

Steel/Ferrous Metal

2 Coats: B73W00311 - Pro Industrial Water based Epoxy Gloss (Part A) Extra White / Tint Base

- Location: Detention Center cell Trim windows/cell doors/handrails, SW 6475 Country Squire

Notes: Steel

Exterior Finishes:

Wood - Exterior

2 Coats: A12W00151 - A-100® Exterior Low Sheen Latex Extra White

- Location: Detention Center/Administrative Building main body, SW 7667 Zircon

Notes: Main body of building

2 Coats: A12W00151 - A-100® Exterior Low Sheen Latex Extra White

- Location: Detention Center/Administrative Building fascia, soffits & trim, SW 7669 Summit Gray

Notes: Fascia, soffits & trim building

Brick

2 Coats: 50.100215 - CLRSHLD WB NAT LK 5G

- Location: Detention Center/Administrative Building

Notes: Brick Masonry Sealer

Steel/Ferrous Metal

Prime Coat: B65W00721 - Pro Industrial Water based Acrolon 100 Polyurethane (Part A) Extra White

- Location: Detention Center Bare Metal Surfaces

Notes: Steel/Galvanized Metal

UPDATED BID BOND

**BID BOND
FORMAL BID 2023-039**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____
_____, hereinafter called the Principal, and
_____, hereinafter called the Surety, are
jointly and severally held and firmly bound unto the Kitsap County Department of Public Works,
hereinafter called the Owner, each in the sum of five percent (5%) of the total amount of the Bid
of the Principal for the work, this sum not to exceed _____
_____ dollars (\$_____) of lawful money of the
United States for the payment thereof unto the Owner, the Principal, and Surety jointly and
severally bind themselves forever firmly by these presents.

WHEREAS, the Principal is herewith submitting its offer for the fulfillment of Owner’s contract for
construction of: **JUVENILE DETENTION PAINTING**.

NOW, THEREFORE, the condition of this obligation is such that if the Principal is awarded the
contract, and if the Principal, within the time specified in the bid for such contract, enters into,
executes, and delivers to the Owner an agreement in the form provided herein complete with
evidences of insurance, and if the Principal within the time specified in the bid gives the
Performance and Payment Bond on the form provided herein to the Owner, then this obligation
shall be void; otherwise, the Principal and Surety will pay unto the Owner the sum set forth above.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable under this
obligation as Principal, and that nothing of any kind or nature whatsoever that will not discharge
the Principal shall operate as a discharge or a release of liability of the Surety.

IT IS HEREBY FURTHER DECLARED AND AGREED that this obligation shall be binding upon
and inure to the benefit of the Principal, the Surety, and the Owner and their respective heirs,
executors, administrators, successors, and assigns.

SIGNED AND SEALED this _____ day of _____, 202_.

Contractor’s Corporate Seal

Principal

Signature for Principal

Title of Signatory

Surety’s Corporate Seal

Surety

Signature for Surety

Title of Signatory

END OF BID BOND

CODE CHECKLIST

1. Building Code Checklist (UBC References to 1994 Code)

General Data

1. Project Name: Kitsap County Youth Services Center Modernization and Addition
2. Location: Old Clifton Road, Port Orchard, WA
3. Owner: Kitsap County
4. Intēgrus Project No.: 9463.02
5. Building Code Used: 1994 UBC w/ WSBC amendments
6. Fire Regulations Used: 1994 UFC
7. Handicapped Code in Use: 1994 UBC w/ WSBC amendments
8. Seismic Zone: 3
9. Local Zoning Ordinance: City of Port Orchard
10. Local Building Code Authority: City of Port Orchard

Building Data

1. Number of Floors: Remodel - 1, no basements
New Building - 2, 1 basement

2. Area of Each Floor and Basement:

Remodel -	12,722 SF
New:	
Lower Floor -	2,061 SF
Detention Level -	35,500 SF
Upper Service Level	18,784 SF

3. Total Area of Building: 56,347 SF

4. Height of Building: 35 feet
5. Area of Site: 8.47 acres, 368,923 s.f.

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET S.F.	SD TOTAL NET S.F.	DD QTY.	DD TOTAL NET S.F.
1.0	ADMINISTRATIVE SERVICES/FACILITY MANAGEMENT				
	<i>Administrative Services & Reception</i>				
1.1	Public Waiting	100	162	1	132
1.2	Front Desk	80	120	1	66
1.3	Administrative Services Supervisor	100	100	1	97
1.4	Clerical	256	257	4	262
1.5	Director	200	182	1	177
1.6	Detention Services Manager	120	106	1	115
1.7	Conference	300	-	-	-
	<i>Central Support</i>				
1.8	Central Storage & Files	500	429	1	494
1.9	Copy/Work Area	200	234	1	151
	Subtotal	1,856	1,590		1,494

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET SF.	SD TOTAL NET SF.	DD QTY.	DD TOTAL NET SF.
2.0	JUDICIAL SPACE				
2.1	Public Lobby for Courts	400	407	1	471
2.2	Public Toilets	200	358	1	362
2.3	Non-Offender Courtroom	600	501	1	514
2.4	Offender Courtroom	1,000	975	1	993
2.5	Multi-Purpose Conference Rooms	200	-		
2.6	Judges' Chambers	300	367	2	346
2.7	Juvenile Toilet Room	60	77	1	68
2.8	Secure Waiting/Holding	140	160	4	156
2.9	Interview Room	160	150	2	160
	Subtotal	3,060	2,995		3,070

AREA CALCULATIONS

PROJECT SPACE LIST					
NO	SPACE DESCRIPTION	PROGRAM TOTAL NET SF.	SD TOTAL NET SF.	DD QTY	DD TOTAL NET SF.
3.0	JUDICIAL OFFICES				
	A. JUVENILE COURT OFFICE SPACE				
	<i>Non-Offender Services</i>				
3.1	Non-Offender Services Manager	120	116	1	130
3.2	Office	800	772	7	760
	<i>Court Services</i>				
3.3	Court Services Manager	120	87	1	98
3.4	Court Services Supervisor	100	119	1	119
3.5	Office	1,300	1,227	13	1,204
	<i>Diversion Services</i>				
3.6	Office	300	286	3	274
	<i>Office of the Attorney General / Assigned Counsel</i>				
3.8	A.G. Office	100	99	1	85
	<i>Volunteer Coordinator</i>				
3.9	Office	100	87	1	90
	B. PROSECUTING ATTORNEY OFFICE SPACE				
3.11	P.A. Office	500	465	5	455
3.12	P.A. Office	120	97	1	94
3.13	P.A. Modular Offices	256	372	4	364
3.14	Victim Waiting Area	25	59	1	60
3.15	Supply/Storage & File	100	127	1	144
3.16	Copy/Work Area Computer	150	152	1	94
	C. COUNTY CLERK OFFICE SPACE				
3.16	Clerk	384	374	4	274
3.17	Clerk Records & Exhibits	500	271	1	283
	D. PROFESSIONAL SERVICES				
3.18	Waiting Area	120	162	1	132
3.19	Open Workstation	128	123	2	114
3.20	Witness Waiting	128	-	-	-
3.21	Interview Room	160	101	2	169
3.22	Law Library/Conference	120	270	1	286
	Subtotal	5,631	5,366		5,229

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET SF.	SD TOTAL NET SF.	DD QTY	DD TOTAL NET SF.
4.0	STAFF FACILITIES				
4.1	Multi-Purpose Room	400	590	1	585
4.2	Training Storage	80	76	3	110
4.3	Men's Toilet/Shower	150	190	1	165
4.4	Women's Toilet/Shower	150	190	1	165
4.5	Staff Locker Room	150	180	1	335
4.6	Housekeeping	50	35	1	61
	Subtotal	980	1,261		1,421

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET SF.	SD TOTAL NET SF.	DD QTY	DD TOTAL NET SF.
5.0	PUBLIC ENTRY & VISITING				
5.1	Entry Lobby/Public Waiting	650	750	1	692
5.2	not used				
5.3	Men's Room	100	100	1	153
5.4	Women's Room	100	100	1	158
5.5	Visitor Reception	80	100	1	100
5.6	Public Screen Area	80	79	1	362
5.7	Juvenile Search	80	87	1	53
5.8	Secure Entry Vestibule	100	190	1	265
5.9	Secure Visiting Room	480	480	2	99
5.10	Contact Interview Room	240	160	2	235
5.11	Multi-Purpose Room	270	-	-	-
5.12	Contact Visiting	270	-	1	879
	Subtotal	2,180	2,046		2,996

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET S.F.	SD TOTAL NET S.F.	DD QTY.	DD TOTAL NET S.F.
6.0	INTAKE/BOOKING				
6.1	Vehicle Sallyport	1,000	932	1	932
6.2	Entry Vestibule	150	107	1	136
6.3	Restroom	120	-	1	58
6.4	Admissions Area	100	108	1	132
6.5	Dressing Room	200	232	2	208
6.6	Property Storage	600	557	1	600
6.7	Law Enforcement	80	123	1	114
6.8	Holding Room	490	476	6	468
6.9	Supervisor/Release Workstation	64	87	1	87
6.10	Admissions Workstations	192	280	3	433
6.11	Juvenile Detention Supervisor	100	101	1	173
6.12	Digital Fingerprinting & Photo	50	50	1	50
6.13	Multi-Purpose Support	150	148	1	114
6.14	Interview Room	480	530	6	441
6.15	Staff Toilet Room	160	-	1	39
6.16	Central Control	200	280	1	287
6.17	Electronic Equipment Room	100	100	1	287
	Subtotal	4,236	4,111		4,559

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET SF	SD TOTAL NET SF	DD QTY	DD TOTAL NET SF
7.0	RESIDENTIAL HOUSING				
7.1	Individual Sleeping Room	7,000	6,528	96	6,720
7.2	Shower/Toilet Room	600	616	8	3,256
7.3	Dayroom	3,500	3,040	8	2,922
7.4	Dining Area	1,500	1,200	8	974
7.5	Servery	800	640	8	648
7.6	Housekeeping	350	280		
7.7	Storage/Laundry	500	400	8	368
7.8	Staff Workstation	250	200	8	264
7.9	Telephone Area	300	240		
	<i>Shared Residential Support</i>				
7.10	Staff Toilet	100	72	2	68
7.11	Storage	200	-	2	58
7.12	Subcontrol	200	196	2	196
	Subtotal	15,300	13,412		15,474

* average of 12 beds per unit

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET SF	SD TOTAL NET SF	DD QTY	DD TOTAL NET SF
8.0	HEALTH CARE SERVICES				
8.1	Toilet Room	80	66	1	39
8.2	*Medical Director/Nurse Office/ Work Area	200	250	1	211
8.3	Tub Room	125	96	1	75
8.4	Exam/Treatment	200	196	2	267
8.5	Housekeeping	50	67	1	32
8.6	Individual Sleeping Rooms	160	184	2	166
8.7	Medical Holding	100	46	1	65
8.8	Interview Room	160	124	1	68
8.9	Clean Storage	50	72	1	72
8.10	Dirty Storage	50	-	-	-
8.11	Staff Workstation	25	25	1	25
8.12	Dietary Kitchen	50	-	1	50
	Subtotal	1,250	1,126		1,070

* Bremerton Health Services

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET SF.	SD TOTAL NET SF.	DD QTY.	DD TOTAL NET SF.
9.0	EDUCATION				
9.1	Multi-Purpose Classroom	3,000	2,294	6	1,666
9.2	Classroom Storage	500	182	3	388
9.3	Teacher's Work Area	360	327	2	160
9.4	Ed. Director's Office	100	-	1	164
9.5	Multi-Purpose Room	-	3,836	1	1,790
9.6	Library			1	355
9.7	Computer Room			1	355
9.8	Testing Room			1	135
9.9	Edu Staff			1	216
	Subtotal	3,960	6,639		5,229

* use one classroom as library and one classroom as a computer lab

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET SF.	SD TOTAL NET SF.	DD QTY.	DD TOTAL NET SF.
10.0	LAUNDRY				
10.1	Laundry	200		1	172
10.2	Laundry Supplies & Storage	150		1	150
10.3	Cart Holding Area	80		1	80
10.4	Working Area	50		1	50
	Subtotal	480	480		452

AREA CALCULATIONS

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET S.F.	SD TOTAL NET S.F.	DD QTY	DD TOTAL NET S.F.
11.0	FOOD SERVICE				
11.1	Kitchen & Dish-Up Area	1,100		1	1,013
11.2	Toilet Room	60		1	51
11.3	Housekeeping/Can Wash	110		1	44
11.4	Supervisor's Workstation	80		1	88
11.5	Refrigerator	160		1	150
11.6	Freezer	100		1	112
11.7	Dry Storage	400		1	186
11.8	Non-Food Storage	100		1	
11.9	not used				
	Subtotal	2,110	2,131		1,644

PROJECT SPACE LIST					
NO.	SPACE DESCRIPTION	PROGRAM TOTAL NET S.F.	SD TOTAL NET S.F.	DD QTY	DD TOTAL NET S.F.
12.0	BUILDING SERVICES				
12.1	Service Entry	250	298	1	298
12.2	General Storage	400	480	2	679
12.3	Janitorial Closets	400	159	2	65
12.4	Generator	120	120	-	-
12.5	Phones	60	60	1	53
12.6	Workshop	250	280	1	212
	Subtotal	1,480	1,397		1,307



SHERWIN-WILLIAMS.

Basic Surface Preparation

Coating performance is directly affected by surface preparation. Coating integrity and service life will be reduced because of improperly prepared surfaces. As high as 80% of all coating failures can be directly attributed to inadequate surface preparation that affects coating adhesion. Proper product selection, surface preparation, and application affect coating performance. Coating integrity and service life will be reduced because of improperly prepared surfaces. Selection and implementation of proper surface preparation ensures coating adhesion to the substrate and prolongs the service life of the coating system.

The majority of paintable surfaces are concrete, ferrous metal, galvanizing, wood and aluminum. They all require protection to keep them from deteriorating in aggressive environments. Selection of the proper method for surface preparation depends on the substrate, the environment, the coating selected, and the expected service life of the coating system. Economics, surface contamination, and the effect on the substrate will also influence the selection of surface preparation methods. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Verify the existence of lead based paints on the project. Buildings constructed after 1978 are less likely to contain lead based paints. If lead based paints are suspected on the project, all removal must be done in accordance with the EPA Renovation, Repair and Painting and all applicable state and local regulations. State and local regulations may be more strict than those set under the federal regulations. Verify that Owner has completed a Hazardous Material Assessment Report for the project prior to issuing of Drawings. Concluding that no lead based paints were found on project site, delete paragraph regarding lead based paints.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Removal must be done in accordance with EPA Renovation, Repair and Painting Rule and all related state and local regulations. Care should be taken to follow all state and local regulations which may be more strict than those set under the federal RRP Rule.

No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50°F, unless the products to be used are designed to be used in those environments.

Aluminum – S-W 1: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1, Solvent Cleaning.

Block (Cinder and Concrete) – S-W 3: Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 28 days at 75°F. The pH of the surface should be between 6 and 9. On tilt-up and poured-in-place concrete, commercial detergents and abrasive blasting may be necessary to prepare the surface. Fill bug holes, air pockets, and other voids with a cement patching compound (per ASTM D4261).

Brick – S-W 4: Must be free of dirt, loose and excess mortar, and foreign material. All brick should be allowed to weather for at least one year followed by wire brushing to remove efflorescence. Treat the bare brick with one coat of Loxon Conditioner.

Concrete and Masonry – Concrete, Poured – Exterior or Interior – S-W 5: The preparation of new concrete surfaces is as important as the surface preparation of steel. The following precautions will help assure maximum performance of the coating system and satisfactory coating adhesion:

- 1. Cure** – Concrete must be cured prior to coating. Cured is generally defined as concrete poured and aged at a material temperature of at least 75°F for at least 28 days unless specified products are designed for earlier application.
- 2. Moisture** – Reference ASTM F1869-98 Moisture Test by use of Calcium Chloride or ASTM D4263 Plastic Sheet Method. Concrete must be free from moisture as much as possible (it seldom falls below 15%). Vapor pressures, temperature, humidity, differentials, and hydrostatic pressures can cause coatings to prematurely fail. The source of moisture, if present, must be located, and the cause corrected prior to coating.
- 3. Temperature** – Air, surface and material temperatures must be in keeping with requirements for the selected product during and after coating application, until coating is cured.

4. Contamination – Remove all grease, dirt, paint, oil, laitance, efflorescence, loose mortar, and cement by the recommendations listed in the surface preparation section.

5. Surface Condition – Hollow areas, bug holes, voids, honeycombs, fin form marks, and all protrusions or rough edges are to be ground or stoned to provide a continuous surface of suitable texture for proper adhesion of the coating. Imperfections may require filling, as specified, with a recommended Sherwin-Williams product.

6. Concrete Treatment – Hardeners, sealers, form release agents, curing compounds, and other concrete treatments should be removed to ensure adequate coating adhesion and performance.

Methods of Surface Preparation on Concrete per SSPC-SP13/NACE 6 or ICRI 03732 Surface Cleaning Methods: Vacuum cleaning, air blast cleaning, and water cleaning per ASTM D4258.

Used to remove dirt, loose material, and/or dust from concrete.

Detergent water cleaning and steam cleaning per ASTM D4258.

Used to remove oils and grease from concrete. Prior to abrasive cleaning, and after abrasive cleaning, surfaces should be cleaned by one of the methods described above.

Mechanical Surface Preparation Methods:

Dry abrasive blasting, wet abrasive blasting, vacuum assisted abrasive blasting, and centrifugal shot abrasive blasting per ASTM D4259. Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

High-pressure water cleaning or water jetting per SSPC-SP12-NACE5.

Used to remove contaminants, laitance, and weak concrete, to expose subsurface voids, and to produce a sound concrete surface with adequate profile and surface porosity.

Impact tool methods per ASTM D4259.

Used to remove existing coatings, laitance, and weak concrete. Methods include scarifying, planing, scabbling, and rotary peening. Impact tools may fracture concrete surfaces or cause microcracking requiring surface repair.

Power tool methods per ASTM D4259.

Used to remove existing coatings, laitance, weak concrete, and protrusions in concrete. Methods include circular grinding, sanding, and wire brushing. These methods may not produce the required surface profile to ensure adequate adhesion of subsequent coatings.

Chemical Surface Preparation Methods:

Acid etching per ASTM D4260. Use to remove some surface contaminants, laitance, and weak concrete, and to provide a surface profile on horizontal concrete surfaces. This method requires complete removal of all reaction products and pH testing to ensure neutralization of the acid. Not recommended for vertical surfaces. Etching with hydrochloric acid shall not be used where corrosion of metal in the concrete is likely to occur. Adequate ventilation and safety equipment required.

1. Clean surface per ASTM D4268
2. Wet surface with clean water
3. Etch with 10-15% muriatic acid solution at the rate of 1 gallon per 75 square feet
4. Scrub with stiff brush
5. Allow sufficient time for scrubbing and until bubbling stops
6. If no bubbling occurs, surface is contaminated. Refer to ASTM D4258 or ASTM D4259
7. Rinse surface two or three times. Remove acid/water each time.
8. Surface should have a texture similar to medium grit sandpaper.
9. Neutralize surface with a 3% solution of tri-sodium phosphate and flush with clean water.
10. Allow to dry and check for excess moisture.

Cement Composition Siding/Panels – S-W 6: Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Pressure clean, if needed, with a minimum of 2100 psi pressure to remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, many times the pH may be 10 or higher.

Composition Board (Hardboard) – S-W 9: Some composition boards may exude a waxy material that must be removed with a solvent prior to coating. Whether factory primed or unprimed, exterior composition board siding (hardboard) must be cleaned thoroughly and primed with an alkyl primer.

Copper – S-W 7: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP2, Hand Tool Cleaning.

Drywall—Interior and Exterior – S-W 8: Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth and all dust removed prior to painting. Exterior surfaces must be spackled with exterior grade compounds.

Galvanized Metal – S-W 10: Allow to weather a minimum of 6 months prior to coating. Clean per SSPC-SP1 using detergent and water or a degreasing cleaner, then prime as required. When weathering is not possible or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.

Plaster – S-W 11: Must be allowed to dry thoroughly for at least 30 days before painting. Room must be ventilated while drying; in cold, damp weather, rooms must be heated. Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Steel/Ferrous Metal Substrates

SSPC-SP1- Solvent Cleaning: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. Follow manufacturer's safety recommendations when using solvents. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.1. (Refer to each products cleaning instructions. Many acrylic coatings will state; When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**)

SSPC-SP2 - Hand Tool Cleaning: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.2.

SSPC-SP3 - Power Tool Cleaning: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Mil scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.3.

SSPC-SP5 / NACE 1 - White Metal Blast Cleaning: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/ NACE No.1.

SSPC-SP6 / NACE 3 - Commercial Blast Cleaning: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE No.3.

SSPC-SP7 / NACE 4 - Brush-Off Blast Cleaning: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Mil scale, rust, and coating are considered adherent if they cannot be removed by lifting with a dull putty knife. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP7/NACE No.4.

SSPC-SP10 / NACE 2 - Near-White Blast Cleaning: A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPCSP10/ NACE No.2.

SSPC-SP11 - Power Tool Cleaning to Bare Metal: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP 1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Steel Structures Paint Council Surface Preparation Specification No.11.

SSPC-SP12 / NACE 5 - Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating: High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only, without the addition of solid particles in the stream. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP12/NACE No.5.

SSPC-SP13 / NACE 6 or ICRI 03732 - Surface Preparation of Concrete: This standard gives requirements for surface preparation of concrete by mechanical, chemical, or thermal methods prior to the application of bonded protective coating or lining systems. The requirements of this standard are applicable to all types of cementitious surfaces including cast-in-place concrete floors and walls, precast slabs, masonry walls and shotcrete surfaces. An acceptable prepared concrete surface should be free of contaminants, laitance, loosely adhering concrete, and dust, and should provide a dry, sound, uniform substrate suitable for the application of protective coating or lining systems. Depending upon the desired finish and system, a block filler may be required. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP13/NACE No.6 or ICRI 03732

SSPC-SP14 / NACE 8 – Industrial Blast Cleaning: This standard gives requirements for industrial blast cleaning of unpainted or painted steel surfaces by the use of abrasives. This joint standard allows defined quantities of mill scale and/or old coating to remain on the surface. An industrial blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, and dirt. Traces of tightly adherent mill scale, rust, and coating residue are permitted to remain on 10% of each unit area of the surface. The traces of mill scale, rust, and coating shall be considered tightly adherent if they cannot be lifted with a dull putty knife. Shadows, streaks, and discolorations caused by stains of rust, stains of mill scale, and stains of previously applied coating may be present on the remainder of the surface.

SSPC-SP16 Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals: This standard covers the requirements for brush-off blast cleaning of uncoated or coated metal surfaces other than carbon steel by the use of abrasives. These requirements include visual verification of the end condition of the surface and materials and procedures necessary to achieve and verify the end condition. A brush-off blast cleaned non-ferrous metal surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, metal oxides (corrosion products), and other foreign matter. Intact, tightly adherent coating is permitted to remain. A coating is considered tightly adherent if it cannot be removed by lifting with a dull putty knife.

High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials:

SSPC-SP WJ-1/NACE WJ-1: Clean to Bare Substrate (WJ-1) is intended to be similar to the degree of surface cleanliness of SSPC-SP 5/NACE 1, except that stains are permitted to remain on the surface. This standard is used when the objective is to remove every trace of rust and other corrosion products, coating and mill scale.

SSPC-SP WJ-2/NACE WJ-2: Very Thorough Cleaning (WJ-2) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove almost all rust and other corrosion products, coating, and mill scale.

SSPC-SP WJ-3/NACE WJ-3: Thorough Cleaning (WJ-3) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to remove much of the rust and other corrosion products, coating, and mill scale, leaving tightly adherent thin films.

SSPC-SP WJ-4/NACE WJ-4: Light Cleaning (WJ-4) is intended to be similar to the degree of surface cleanliness of SSPC-SP 10/NACE 2, except that tightly adherent material, rather than only stains, is permitted to remain on the surface. This standard is used when the objective is to allow as much of the tightly adherent rust and other corrosion products, coating, and mill scale to remain as possible, Discoloration of the surface may be present.

Water Blasting NACE Standard RP-01-72: Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.

Stucco S-W 22 : Must be clean and free of any loose stucco. If recommended procedures for applying stucco are followed, and normal drying conditions prevail, the surface may be painted in 30 days. The pH of the surface should be between 6 and 9.

Wood—Exterior – S-W 23: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth. Caulk should be applied after priming.

Wood—Interior – S-W 24: All finishing lumber and flooring must be stored in dry, warm rooms to prevent absorption of moisture, shrinkage, and roughening of the wood. All surfaces must be sanded smooth, with the grain, never across it. Surface blemishes must be corrected and the area cleaned of dust before coating.

Vinyl Siding, Architectural Plastics, PVC & Fiberglass: – S-W 24: Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56 unless VinylSafe® Colors are used. If VinylSafe® Colors are not used and darker colors lower than an LRV of 56 are, the vinyl may warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Previously Coated Surfaces – S-W 12: Maintenance painting will frequently not permit or require complete removal of all old coatings prior to repainting. However, all surface contamination such as oil, grease, loose paint, mill scale dirt, foreign matter, rust, mold, mildew, mortar, efflorescence, and sealers must be removed to assure sound bonding to the tightly adhering old paint. Glossy surfaces of old paint films must be clean and dull before repainting. Thorough washing with an abrasive cleanser will clean and dull in one operation, or, wash thoroughly and dull by sanding. Spot prime any bare areas with an appropriate primer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system. Check for compatibility by applying a test patch of the recommended coating system, covering at least 2 to 3 square feet. Allow to dry one week before testing adhesion per ASTM D3359. If the coating system is incompatible, complete removal is required per ASTM D4259.

Touch-Up, Maintenance and Repair

For a protective coating system to provide maximum long-term protection, regularly scheduled maintenance is required. Maintenance includes inspection of painted areas, cleaning of surfaces to remove oils, chemicals, and other contaminants, and touch-up of areas where the coatings have been damaged. Highly corrosive areas, such as those subjected to frequent chemical spillage, corrosive fumes, and/or high abrasion or temperature areas should be inspected frequently – every six months, for example. Areas exposed to less severe conditions, such as interiors and exteriors of potable water tanks, may be inspected annually to assess the condition of the coating system.

The SSPC-VIS 2, Standard Method for Evaluating Degree of Rusting on Painted Steel Surfaces, can be used as a guide to determine appropriate touch-up and repairs maintenance schedules. Touch-up would be suggested when the surface resembles Rust Grade 5-S (Spot Rusting), 6-G (General Rusting), or 6-P (Pinpoint Rusting). Surface preparation would generally consist of SSPC-SP2, SP3, SP11, or SP12. Overcoating a well protected, but aged steel surface showing no evidence of rusting, may be achieved by Low Pressure Water Cleaning per SSPC-SP12/WJ4, and applying an appropriate coating system.

Full removal of the existing coating system by abrasive blasting would be recommended when the surface resembles Rust Grade 3-S (Spot Rusting), 4-G (General Rusting), or 4-P (Pinpoint Rusting). When the coating system has deteriorated to encompass approximately 33% of the surface area, it is always more economical to consider full removal and reapplication of the appropriate protective coating system.

Mildew –Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.



SHERWIN-WILLIAMS®

Reference Pages

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

B51-600 Series



**SHERWIN
WILLIAMS.**

CHARACTERISTICS

PrepRite® ProBlock® Interior-Exterior Latex Primer-Sealer:

- Assures uniform appearance of topcoats
- Fast Dry
- Apply at temperatures down to 35°F
- Assures adhesion of the topcoat to slick, glossy surfaces
- Seals out solvent sensitive stains – tar, solvent based markers, etc.
- Seals minor dried water stains and tannin
- Provides easy “slip” for positioning wallpaper

Use on interior:

- Ceiling Tiles • Paneling • Wall Laminate
- Cured Plaster • Drywall • Varnished Woodwork
- Kitchen Cabinets Ceramic • Wall Tile
- Under Wallcovering

Use on Interior and Exterior:

- Wood • Aluminum • Galvanized Metal
- Previously Painted Surfaces • PVC Piping
- Drywall • Concrete and Masonry • Many Plastics
- Glossy Surfaces • Fiberglass • Copper
- Glazed Block

Color: White & Deep Base
For best color development, use the recommended “p”-shade primer. Check color before use.

Coverage: 400 sq. ft. per gallon
@ 4 mils wet; 1.4 mils dry

Drying Time, @ 77° F, 50% RH:
Touch: 30 minutes
Recoat as a primer: 1 hour
Recoat as a stain sealer: 4 hours
Recoat to apply wallcovering: 2 hours
 Drying and recoat times are temperature, humidity, and film thickness dependent.

Finish: 5-10 units @ 85°

Tinting with CCE Only:

Base	oz. per gallon	Strength
White	0-4	SherColor
Deep Base	4-12	SherColor

White B51W00620

(may vary by color)

V.O.C. (less exempt solvents):

Less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 35 ±2%
Weight Solids: 52 ±2%
Weight per Gallon: 10.89 lbs
Flash Point: N.A.
Vehicle Type: Styrenated Acrylic Latex
Shelf Life: 36 months, unopened

Anti-microbial – This product contains agents which inhibit the growth of microbes on the surface of this paint film.

COMPLIANCE

As of 8/1/2023, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface and material temperature is above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours. Air and surface temperatures must not drop below 35°F for 48 hours after application.

Do not reduce for stain blocking.

Brush:
Use a nylon-polyester brush.

Roller:
Use a 3/8 inch nap soft woven cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray - Airless:
 Pressure 2000 p.s.i.
 Tip .015-.021 inch

APPLICATION TIPS

For best topcoat color development, use a recommended “P”-shade primer. Check color before use.

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer must be topcoated with a latex, alkyd-oil, water-based epoxy, or solvent based epoxy coating on architectural applications.

For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.

General Priming: PrepRite ProBlock Interior-Exterior Latex Primer-Sealer can be topcoated in 1 hour in non-stain blocking applications.

SPECIFICATIONS

1 coat PrepRite ProBlock Interior-Exterior Latex Primer-Sealer
 2 coats appropriate topcoat

Recommended Architectural Topcoats:

All Surface Enamels
 A-100® Exterior Latex
 Duration® Exterior & Duration Home® Interior
 Emerald® Exterior & Interior
 Emerald® Urethan Trim Enamel
 SuperPaint® Exterior & Interior
 ProClassic® Interior Enamels
 ProMar® Interior

Recommended Architectural Topcoats:

Pro Industrial™ Acrylic Coating
 Pro Industrial™ Pre-Cat Epoxy
 Pro Industrial™ Pre-Cat Urethane
 Pro Industrial™ Waterbased Catalyzed Epoxy

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand Glossy surfaces dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Special recommendations:

After priming stained surfaces, allow to dry 4 hours, test a small area for bleeding by applying the topcoat before painting the entire project. If the stain bleeds through, apply a second coat of primer, and allow to dry overnight and retest before topcoating. For a complete primer outside, use appropriate exterior primers.

Caulking:

Fill gaps between walls, ceiling, crown moldings, and other with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and nail holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Fire restoration work:

Thoroughly clean the surface before applying to smoke-stained areas. Apply one or two coats of Multi-Purpose Latex Primer/Sealer and test a small area for bleeding before painting the entire surface.

Testing:

Always check for compatibility and adhesion to the surface by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

Tile:

Laminate, ceramic, and plastic tiles, and similar glossy surfaces, must be free of all oil, grease, and soap residue. Do not use this product in areas subject to excessive water, e.g.: in showers, around sinks, on counter tops.

On hard, slick, glossy or otherwise hard to paint surfaces, after preparing the surface, apply a test area of this primer, allow to dry properly and test for adhesion.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Plaster:

Bare plaster must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of clean water. Repeat until the surface is hard, rinse with clear water and allow to dry.

When used as a primer under wallcovering:

After the wallcovering has been applied and the adhesive has dried and cured, wait at least 21 days before removing the wallcovering to avoid damage to the drywall.

Wood Exterior:

Sand any exposed, weathered wood to a fresh surface. Replace any deteriorated wood. On woods that present potential tannin bleeding, such as redwood and cedar, Multi-Purpose Latex can be used. Care must be taken to determine if tannins will be activated by the water in the coating. To test for bleeding, coat a 4 foot by 4 foot section with the primer. If no bleeding is evident within 4 hours, proceed with complete priming. If bleeding occurs, use Exterior Oil-Based Wood Primer.

For a complete whole house primer outside, use Exterior Latex Wood Primer or Exterior Oil-Based Wood Primer.

CAUTIONS

Protect from freezing.

Non-Photochemically reactive.

Before using, carefully read **CAUTIONS on label**.

CRYSTALLINE SILICA Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 8/1/2023 B51W00620 41 00
SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and clean warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

Pro Industrial™ Pro-Cryl® Universal Primer

B66-1300 Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

Features:

- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:

Steel, Galvanized & Aluminum, wood

Finish: Low Sheen

Color: Off White, Medium Grey, and Red Oxide

Recommended Spreading Rate per coat:

Wet mils: 5.0-10.0

Dry mils: 1.9-3.8

Coverage: 160-320 sq.ft. per gallon

Theoretical Coverage: 609 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 6.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@40°F	@77°F	@120°F
To touch	2 hours	40 minutes	20 minutes
Tack free	8 hours	2 hours	1 hour
To recoat	16 hours	4 hours	2 hours

Tinting: **DO NOT TINT**

Off White B66W01310

(may vary by base)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 38 ± 2%

Weight Solids: 49 ± 2%

Weight per Gallon: 10.09 lb

Flash Point: N/A

Shelf Life: 36 months, unopened

COMPLIANCE

As of 10/11/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

Temperature:

minimum 40°F

maximum 120°F

air, surface, and material

At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:

Pressure 2000 p.s.i.

Hose 1/4 inch I.D.

Tip .015 - .019 inch

Filter 60 mesh

Conventional Spray:

Gun Binks 95

Fluid Nozzle 66

Air Nozzle 63 PB

Atomization Pressure 60 p.s.i.

Fluid Pressure 25 p.s.i.

Reduction: as needed up to 5 % by volume

Brush Nylon-polyester

Roller Cover 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

No painting should be done immediately after a rain or during foggy weather.

For optimal performance, this primer should be topcoated.

For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

SPECIFICATIONS

Acceptable Water Based topcoats:

1-2 coats Pro Industrial Acrylic Coating or Pro Industrial Acrylic Dryfall
Pro Industrial DTM Acrylic
Pro Industrial Multi-Surface Acrylic
Pro Industrial Pre-Catalyzed Epoxy
Pro Industrial Pre-Catalyzed Urethane
Pro Industrial Water Based Acrolon 100
Pro Industrial Water Base Alkyd Urethane
Pro Industrial Water Based Catalyzed Epoxy
Sherwin-Williams Architectural Coatings

Acceptable Solvent Based topcoats:

Pro Industrial High Performance Epoxy
Pro Industrial Series
Industrial Enamels
Steel Master 9500 Silicone Alkyd
Tile-Clad HS Epoxy
Water Based Catalyzed Epoxy

The finishes listed above are representative of the product's use, other finishes may be appropriate.

Pro Industrial™ Pro-Cryl® Universal Primer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Prime the area the same day as cleaned. Self priming

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

PERFORMANCE

System Tested: (unless otherwise indicated)

Substrate: Steel

Surface Preparation: SSPC-SP10

Finish: 1 coat Pro Industrial Pro-Cryl Off White
1 coat Pro Industrial Acrylic Coating

Adhesion:

Method: ASTM D4541

Result: 500 p.s.i.

Corrosion Weathering:

Method: ASTM D5894, 10 cycles,
3360 hours

Result: Passes

Direct Impact Resistance:

Method: ASTM D2794

Result: greater than 140 inch lb.

Dry Heat Resistance:

Method: ASTM D2485

Result: 200°F

Flexibility:

Method: ASTM D522, 180° bend,
1/4 inch mandrel

Result: Passes

Moisture Condensation Resistance:

Method: ASTM D4585, 100°F,
1250 hours

Result: Passes

Pencil Hardness:

Method: ASTM D3363

Result: B

Salt Fog Resistance:

Method: ASTM B117, 1250 hours

Result: Passes

Provides performance comparable to products formulated In Lieu of federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use. **FOR PROFESSIONAL USE ONLY.**

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, splatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	10/11/2021	B66W01310	04 40
HOTW	10/11/2021	B66A01320	05 39
HOTW	10/11/2021	B66N01310	05 40
FRC			

Pro Industrial™

Water Based Catalyzed Epoxy

B73-300 Series



**SHERWIN
WILLIAMS.**

CHARACTERISTICS

Pro Industrial Water Based Catalyzed Epoxy is an interior-exterior two component polyamine epoxy topcoat. Designed for use in commercial and industrial application.

Features :

- Provides excellent corrosion resistance
- Abrasion resistant
- Chemical resistant
- Early moisture resistant
- Good adhesion to concrete, metal, or primed substrates
- Suitable for use in USDA inspected facilities

For use on properly prepared:

Steel, Galvanized, Aluminum, Concrete and Masonry, Wood and Drywall and Previously Painted.

Finish: 90+ @ 60° Gloss
15-25+ @ 85° Eg-Shel
Color: Most Colors

Recommended Spreading Rate per coat:

Wet mils: 5.0-12.0
Dry mils: 2.0-4.9
Coverage: 134-328 sq. ft. per gallon
Theoretical Coverage: 657 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss. **Note:** Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@100°F
To touch	1 hr.	45 min.	25 min.
To handle	5 hrs.	4 hrs.	2 hrs.
Minimum recoat	8 hrs.	6 hrs.	3 hrs.
Maximum recoat*	30 days	30 days	30 days
To Cure	7 days	7 days	7 days
Pot Life	8 hrs.	5.5 hrs.	3.5 hrs.

Sweat-In Time none required

Mix Ratio 2 components, premeasured 4:1

*If maximum recoat time is exceeded, abrade surface before recoating.

Tinting with CCE only: at 100% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Extra White B73W00311/B73V00300

(may vary by color)

V.O.C. (less exempt solvents): As Mixed

less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 41 ±2%

Weight Solids: 50 ±2%

Weight per Gallon: 9.97 lbs

Flash Point: N.A.

Vehicle Type: Polyamine Epoxy

Shelf Life: Part A: 24 months

Part B: 36 months

COMPLIANCE

As of 4/17/2023, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

Temperature:
minimum 50°F
maximum 100°F
air, surface and material
At least 5°F above dew point

Relative humidity: 85% maximum
The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:
Pressure 2000 p.s.i.
Hose ¼ inch I.D.
Tip .015-.017 inch
Filter 60 mesh

Reduction: As needed up to 10% by volume

Brush: Nylon-polyester

Roller Cover: 3/8 inch woven solvent resistant core

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material loss during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine four parts by volume of Par A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Re-stir before using. If reducer is used, add only after both components have been thoroughly mixed together. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. No painting should be done immediately after a rain or during foggy weather.

All epoxies will chalk and fade when un-topcoated in exterior environments. Apply appropriate topcoat if aesthetics are required.

SPECIFICATIONS

Steel and Galvanizing:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1 coat Pro Industrial Pro-Cryl Primer
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Aluminum:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1 coat Pro Industrial Pro-Cryl Primer
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Concrete and Masonry:

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface

Suitable surfacers Interior-Exterior are:

Laxon Acrylic Block Surfacers.
Pro Industrial Heavy Duty Block Filler,
Kem Cati-Coat HS Epoxy Filler,
Cement-Plex 875,
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Concrete and Masonry Smooth:

2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Water Based Epoxy

Wood, Interior:

1 coat Premium Wall & Wood Primer
2 coats Pro Industrial Water Based Epoxy

The systems listed above are representative of the product's use. Other systems may be appropriate.

Pro Industrial™

Water Based Catalyzed Epoxy

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting: US - National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by water to rinse. Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Power Tool Clean per SSPC-SP3. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1 (recommended preparation is Steam Cleaning). For better performance, use Commercial Blast Cleaning per SSPC-SP6-NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaning.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Drywall - Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust. Prime the area the same day as cleaned.

PERFORMANCE

Extra White B73W00361/B73V00300

System Tested: (unless otherwise indicated)

Substrate: Steel

Surface Preparation SSPC-SP6

Finish: 1 coat Kem Bond HS @ 3.0 mils D.F.T.
1 coat Pro Industrial Water Based Catalyzed Epoxy @ 3.7 D.F.T. 7 day cure

Abrasion Resistance:

Method: ASTM D4060, CS17 wheel, 1000 cycles, 500 g load
Result: 32.5 mg loss

Adhesion:

Method: ASTM D4541
Result: 1059 p.s.i.

Scrub Resistance:

Based on Method: ASTM D2486
Result: 8000 cycles

Dry Heat Resistance:

Method: ASTM D2485
Result: 250°F

Pencil Hardness:

Method: ASTM D3363
Result: 6H

Water Vapor Permeance (US):

Method: ASTM D1653, Test Method B, Condition A
Result: 12.12 grains/(hr ft² in Hg) Gloss
10.04 grains/(hr ft² in Hg) Eg-Shel

Chemical Resistance Rating:

Extra White B73W00361/B73V00300

(1 hour direct exposure to dry film incidental contact)

Ammonia - Pass
10% Hydrochloric Acid - Pass
25% Sodium Hydroxide - Pass
Mineral Spirits - Pass
Motor Oil - Pass
Methyl Alcohol - Pass
Aliphatic Hydrocarbon Solvent - Pass
70% Isopropanol - Pass
Methanol - Pass

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

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CLEANUP INFORMATION

Clean spills, splatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 4/17/2023	B73W311/B73V300	20	00
HOTW 4/17/2023	B73W313/B73V300	14	00
HOTW 4/17/2023	B73T304/B73V300	17	00

HOTW 4/17/2023	B73W361/B73V300	16	00
HOTW 4/17/2023	B73W363/B73V300	08	00
HOTW 4/17/2023	B73T364/B73V300	10	00

FRC, SP

Pro Industrial™

Water Based Catalyzed Epoxy

B73-300 Series



**SHERWIN
WILLIAMS.**

CHARACTERISTICS

Pro Industrial Water Based Catalyzed Epoxy is an interior-exterior two component polyamine epoxy topcoat. Designed for use in commercial and industrial application.

Features :

- Provides excellent corrosion resistance
- Abrasion resistant
- Chemical resistant
- Early moisture resistant
- Good adhesion to concrete, metal, or primed substrates
- Suitable for use in USDA inspected facilities

For use on properly prepared:

Steel, Galvanized, Aluminum, Concrete and Masonry, Wood and Drywall and Previously Painted.

Finish: 90+ @ 60° Gloss
15-25+ @ 85° Eg-Shel
Color: Most Colors

Recommended Spreading Rate per coat:

Wet mils: 5.0-12.0
Dry mils: 2.0-4.9
Coverage: 134-328 sq. ft. per gallon
Theoretical Coverage: 657 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss. **Note:** Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@100°F
To touch	1 hr.	45 min.	25 min.
To handle	5 hrs.	4 hrs.	2 hrs.
Minimum recoat	8 hrs.	6 hrs.	3 hrs.
Maximum recoat*	30 days	30 days	30 days
To Cure	7 days	7 days	7 days
Pot Life	8 hrs.	5.5 hrs.	3.5 hrs.

Sweat-In Time none required

Mix Ratio 2 components, premeasured 4:1

*If maximum recoat time is exceeded, abrade surface before recoating.

Tinting with CCE only: at 100% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Extra White B73W00311/B73V00300

(may vary by color)

V.O.C. (less exempt solvents): As Mixed
less than 50 grams per litre; 0.42 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 41 ±2%

Weight Solids: 50 ±2%

Weight per Gallon: 9.97 lbs

Flash Point: N.A.

Vehicle Type: Polyamine Epoxy

Shelf Life: Part A: 24 months

Part B: 36 months

COMPLIANCE

As of 4/17/2023, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	Yes
MPI®	Yes

APPLICATION

Temperature:
minimum 50°F
maximum 100°F
air, surface and material
At least 5°F above dew point

Relative humidity: 85% maximum
The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:
Pressure 2000 p.s.i.
Hose ¼ inch I.D.
Tip .015-.017 inch
Filter 60 mesh

Reduction: As needed up to 10% by volume

Brush: Nylon-polyester

Roller Cover: 3/8 inch woven solvent resistant core

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material loss during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine four parts by volume of Par A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Re-stir before using. If reducer is used, add only after both components have been thoroughly mixed together. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. No painting should be done immediately after a rain or during foggy weather.

All epoxies will chalk and fade when un-topcoated in exterior environments. Apply appropriate topcoat if aesthetics are required.

SPECIFICATIONS

Steel and Galvanizing:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1 coat Pro Industrial Pro-Cryl Primer
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Aluminum:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1 coat Pro Industrial Pro-Cryl Primer
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Concrete and Masonry:

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface

Suitable surfacers Interior-Exterior are:

Laxon Acrylic Block Surfacers.
Pro Industrial Heavy Duty Block Filler,
Kem Cati-Coat HS Epoxy Filler,
Cement-Plex 875,
2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1-2 coats Filler-Surfacer as required to fill voids and provide a continuous surface
1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Concrete and Masonry Smooth:

2 coats Pro Industrial Water Based Epoxy

(For high performance aesthetics exterior:)

1 coat Pro Industrial Water Based Epoxy
1-2 coats Pro Industrial Water Base Acrolon 100

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Water Based Epoxy

Wood, Interior:

1 coat Premium Wall & Wood Primer
2 coats Pro Industrial Water Based Epoxy

The systems listed above are representative of the product's use. Other systems may be appropriate.

Pro Industrial™

Water Based Catalyzed Epoxy

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting: US - National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by water to rinse. Do not use hydrocarbon solvents for cleaning.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Power Tool Clean per SSPC-SP3. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1 (recommended preparation is Steam Cleaning). For better performance, use Commercial Blast Cleaning per SSPC-SP6-NACE 3, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Prime the area the same day as cleaning.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Drywall - Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust. Prime the area the same day as cleaned.

PERFORMANCE

Extra White B73W00361/B73V00300

System Tested: (unless otherwise indicated)

Substrate: Steel

Surface Preparation SSPC-SP6

Finish: 1 coat Kem Bond HS @ 3.0 mils D.F.T.
1 coat Pro Industrial Water Based Catalyzed Epoxy @ 3.7 D.F.T. 7 day cure

Abrasion Resistance:

Method: ASTM D4060, CS17 wheel, 1000 cycles, 500 g load
Result: 32.5 mg loss

Adhesion:

Method: ASTM D4541
Result: 1059 p.s.i.

Scrub Resistance:

Based on Method: ASTM D2486
Result: 8000 cycles

Dry Heat Resistance:

Method: ASTM D2485
Result: 250°F

Pencil Hardness:

Method: ASTM D3363
Result: 6H

Water Vapor Permeance (US):

Method: ASTM D1653, Test Method B, Condition A
Result: 12.12 grains/(hr ft² in Hg) Gloss
10.04 grains/(hr ft² in Hg) Eg-Shel

Chemical Resistance Rating:

Extra White B73W00361/B73V00300

(1 hour direct exposure to dry film incidental contact)

Ammonia - Pass
10% Hydrochloric Acid - Pass
25% Sodium Hydroxide - Pass
Mineral Spirits - Pass
Motor Oil - Pass
Methyl Alcohol - Pass
Aliphatic Hydrocarbon Solvent - Pass
70% Isopropanol - Pass
Methanol - Pass

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

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CLEANUP INFORMATION

Clean spills, splatters, hands and tools immediately after use with soap and warm clean water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 4/17/2023	B73W311/B73V300	20	00
HOTW 4/17/2023	B73W313/B73V300	14	00
HOTW 4/17/2023	B73T304/B73V300	17	00

HOTW 4/17/2023	B73W361/B73V300	16	00
HOTW 4/17/2023	B73W363/B73V300	08	00
HOTW 4/17/2023	B73T364/B73V300	10	00

FRC, SP

A-100®

Exterior Latex Low Sheen

A12-Series



SHERWIN WILLIAMS®

CHARACTERISTICS

A-100 Exterior Latex is a quality exterior finish. This product is recommended for use on aluminum, vinyl, and wood siding, clapboard, shakes, shingles, plywood, masonry, and metal down to a surface and air temperature of 35°F.

Color: Most Colors

Coverage: 350-400 sq. ft. per gallon
@ 4 mils wet; 1.5 mils dry

Drying Time, @ 50% RH:

	@ 35-45°F	@ 45°F +
Touch:	2 hours	2 hours
Recoat:	24-48 hours	4 hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 10-20 units @ 85°
5+ units @ 60°

Tinting with CCE only:

Base:	oz. per gallon	Strength:
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultradeep Base	10-12	SherColor

Extra White A12W00151
(may vary by color)

VOC (less exempt solvents):
less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids:	37 ± 2%
Weight Solids:	51 ± 2%
Weight per Gallon:	10.56 lbs
Flash Point:	N/A
Vehicle Type:	100% Acrylic
Shelf Life:	36 months unopened
WVP Perms (US)	29.27 grains/(hr ft ² in Hg)

Mildew Resistant

This coating contains agents which inhibit the growth of mildew on the surface of this coating film.

COMPLIANCE

As of 08/21/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	N/A
LEED® v4 & v4.1 VOC	Yes
EPD-NSF® Certified	N/A
MIR-Manufacturer Inventory	N/A
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours.

Do not apply at air or surface temperatures below 35°F or when air or surface temperatures may drop below 35°F within 48 hours.

No reduction necessary.

Brush: Use a nylon-polyester brush.

Roller: Use a high quality 3/8-3/4 inch nap synthetic roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on Sherwin-Williams.com

Spray—Airless
Pressure 2000 p.s.i.
Tip .019-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

SPECIFICATIONS

Standard latex primers cannot be used below 50°F. See specific primer label for that product's application conditions.

Aluminum & Aluminum Siding¹, Galvanized Steel¹

2 coats A-100 Exterior Latex

Concrete Block, CMU, Split face Block

1 coat Loxon Acrylic Block Surfacers

2 coats A-100 Exterior Latex

Brick, Stucco, Cement, Concrete

1 coat Loxon Concrete and Masonry Primer³
or

Loxon Conditioner²

2 coats A-100 Exterior Latex

Cement Composition Siding/Panels

1 coat Loxon Concrete and Masonry Primer³
or

Loxon Conditioner²

2 coats A-100 Exterior Latex

Plywood

1 coat Exterior Latex Primer

2 coats A-100 Exterior Latex

***Vinyl Siding**

2 coats A-100 Exterior Latex

Wood, (Cedar, Redwood)⁴

1 coat Exterior Oil-Based Wood Primer²

2 coats A-100 Exterior Latex

¹ On large expanses of metal siding, the air, surface, and material temperatures must be 50°F or higher.

² Not for use at temperatures under 50°F. See specific primer label for that product's application conditions.

³ Not for use at temperatures under 40°F. See specific primer label for that product's application conditions.

⁴ Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. For best results on these woods, use a coat of Exterior Oil-Based Wood Primer.

Other primers may be appropriate.

When repainting involves a drastic color change, a coat of primer will improve the hiding performance of the topcoat color.

A-100®

Exterior Latex Low Sheen

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer-sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Cement Composition Siding/Panels:

Remove all dirt, dust, grease, oil, loose particles, laitance, foreign material, and peeling or defective coatings. Allow the surface to dry thoroughly. If the surface is new, test it for pH, if the pH is higher than 9, prime with Loxon Concrete & Masonry Primer.

Caulking:

Gaps between windows, doors, trim, and other through-wall openings can be filled with the appropriate caulk after priming the surface.

Concrete, Masonry, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces should be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer/Sealer. Cracks, voids, and other holes should be repaired with an elastomeric patch or sealant. **Concrete masonry units (CMU)** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Loxon Acrylic Block Surfer. The filler must be thoroughly dry before topcoating.

Stucco:

Remove any loose stucco, efflorescence, or laitance. Allow new stucco to cure at least 30 days before painting. If painting cannot wait 30 days, allow the surface to dry 7 days and prime with Loxon Concrete & Masonry Primer. Repair cracks, voids, and other holes with an elastomeric patch or sealant.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

Previously Painted Surfaces:

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, or other abrading method. Bare steel must be primed the same day as cleaned.

***Vinyl or other PVC Building Products:**

Clean the surface thoroughly by scrubbing with warm, soapy water. Rinse thoroughly, if needed prime with appropriate white primer. Do not paint vinyl with any color darker than the original color. Do not paint vinyl with a color having a Light Reflective Value (LRV) of less than 56. Painting with darker colors lower than an LRV of 56 may cause vinyl to warp. Follow all painting guidelines of the vinyl manufacturer when painting. Only paint properly installed vinyl siding. Deviating from the manufacturer's painting guidelines may cause the warranty to be voided.

Wood, Plywood, Composition Board:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All new and patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Exterior Oil-Based Wood Primer prior to using.

CAUTIONS

For Exterior use only

Protect from freezing

Non-photochemically reactive

Not for use on floors.

Before using, carefully read **CAUTIONS on label**

ZINC: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 08/21/2020 A12W00151 22 35
FRC, SP

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.



H&C® CLARISHIELD® WATER-BASED NATURAL LOOK CLEAR CONCRETE SEALER



PRODUCT DESCRIPTION

H&C® ClariShield® Water-Based Natural Look Clear Concrete Sealer provides a low-sheen finish that maintains original beauty. This low odor, water-based formula is great for interior & exterior applications and offers easy cleanup with soap and water.

FEATURES & BENEFITS

- Crystal clear, non-yellowing formula
- Durable finish protects and extends life of concrete
- Resists damage from water, salt, UV rays, oil and chemical stains
- Withstands vehicular traffic - *Not recommended for garage floors*

RECOMMENDED USES

For use over bare concrete and masonry surfaces or existing water-based coatings.

Commonly used on:

- Pavers
- Driveways
- Patios & walkways
- Decorative stains
- Pool decks
- Brick, block & stucco
- Commercial floors
- Basement floors

COVERAGE RATES

Substrate	sq ft/gal
Concrete Floors	100-200
Concrete block	100-150
Previously coated concrete	200-300
Porous concrete	100-200
Porous decorative block	75-100

JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample.

LIMITATIONS

Do not over apply as “blushing” may occur. Over application may cause the coating to not dry clear.

SURFACE PREPARATION

Newly poured concrete must be at least 28 days old. Newly installed pavers should weather a minimum of 60 days; excess joint sand should be swept off the surface prior to sealer application. All concrete must be clean, dry and free of grease, oil, paint, sealers, etc. A high-pressure water wash is recommended. To spot clean, use *H&C® ConcreteReady® Cleaner Degreaser*, following label instructions. If mold, mildew or fungus are present, kill and remove with a solution of one cup household bleach to one gallon of water. Wear protective eyewear, waterproof gloves and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution. Surface should have the feel of 120-grit sandpaper at minimum, and readily absorb water. To test absorption, spray various sections of the surface to be sealed with water. If the water does not absorb rapidly, concrete must be etched with *H&C® ConcreteReady® Etching Solution*, following label directions. If the surface does not feel like 120-grit sandpaper following the first application, a second etching is required. (NOTE: Porous vertical surfaces, such as standard CMU, split-faced block, and exposed aggregate, generally do not require etching.) Prepared concrete must have a pH level between 6 and 10. Allow 24 hours to dry before sealing.

Stained Concrete: Make sure all previously painted or stained surfaces are in sound condition. Scrape and sand all loose material prior to the application. To ensure adequate adhesion of the sealer, scuff sand all remaining stain or paint.* Reapplication of the stain or coating may be necessary to create an even, uniform appearance. To remove light soil from the surface, use *H&C® ConcreteReady® Cleaner Degreaser* mixed to a 50/50 ratio with water. To remove heavy oil and grease stains, use the cleaner full strength.

Repair: Use *H&C® ConcreteReady® Quick Patch and Repair*, following label directions, to fill low spots and spalled concrete. Note: Patching compounds will generally be visible through clear coatings.

***WARNING:** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. To avoid exposure to lead dust, wear proper protective equipment, such as a properly fitted respirator (NIOSH approved) and follow proper containment and cleanup procedures. For more information, call the National Lead Information Center at 1-800-424-LEAD (in U.S.) or contact your local health authority.

TOOLS REQUIRED

- Nylon / polyester brush to cut in corners and edges
- High-density, woven roller cover (¼- to 3/8-inch nap)
- Airless sprayer, with .013- to .017- inch tip (optional)
- Eye Protection
- Respiratory Protection
- Gloves

APPLICATION INSTRUCTIONS

For best results, surface and air temperature should be above 50°F and below 90°F. Temperature should not fall below 40°F for 24 hours following application. Do not apply if rain is expected within 12 hours of application. Stir thoroughly before and during application. Applies milky white and dries clear in approximately 1 hour. DO NOT THIN.

First Coat: Apply first coat liberally and evenly, working in one direction. DO NOT OVERAPPLY. Remove excess material by back-rolling. Allow to dry at least 2 hours before applying additional coats.

Additional Coats: 2-3 coats may be necessary to ensure uniformity, depending on the porosity of the surface. For best coverage, apply second coat perpendicular to the first coat.

IMPORTANT: Each additional coat will increase the level of gloss/shine of the surface. To maintain a Natural Look, a maximum of two coats is recommended.

SLIP RESISTANCE

Some surfaces may require a slip/skid-resistant additive for safety. Surfaces may be slippery when wet and proper preventative precautions are recommended. To increase slip/skid resistance, add H&C® SharkGrip® Slip Resistant Additive to the coating when applying. See product data page for detailed instructions. The addition of anti-slip/skid additives will not eliminate the possibility or risk of slipping/skidding or falling.

CLEANUP

Clean tools and any spills or spatters immediately using soap and water.

MAINTENANCE

Clean light to moderately soiled surfaces with a 50/50 solution of H&C® ConcreteReady® Cleaner Degreaser and water. Use the cleaner full strength for heavy soiling, such as oil and grease stains.

ORDERING INFORMATION

Clear	Part Number/SMIS
1 gallon	50.100214-16 / 6512-01295
5 gallons	50.100215-20 / 6512-01311

PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	1 hour
	Recoat	2 hours
	Foot traffic	24 hours
	Heavy traffic	72-96 hours
VOC	EPA Method 24	<100 g/L
Finish	ASTM D523	Low Sheen
Taber Abrasion		Good after 1 week cure time
Chemical Resistance	ASTM D1308	Good
Volume Solids	ASTM D2832	26.7% +/- 1%
Weight Solids	ASTM D2832	29.3% +/- 1%

CAUTION

CAUTIONS: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

TECHNICAL SERVICES

The information and recommendations set forth in this product data sheet are based on tests conducted by or on behalf of H&C Products Group and The Sherwin-Williams® Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication.

For technical assistance, call 1-800-867-8246 or visit www.hconcrete.com.

LIMITED WARRANTY

This warranty is only valid when the product is applied and maintained according to product application and maintenance instructions to a properly prepared surface. If the product fails to perform in accordance with applicable product literature H&C shall either replace an equivalent quantity of product free of charge or refund the original purchase price. For a replacement or a refund, return the product to the place of purchase accompanied by the original proof of purchase. This warranty shall not apply to any defect, damage or product failure resulting from improper surface preparation, structural defects, environmental damage, failure of a previous product, deterioration or defect in the underlying substrate, or improper application and maintenance of the product. Your exclusive remedy is the replacement of product or refund and does not include labor or costs associated with the application or removal of any product. **IN NO EVENT SHALL H&C BE LIABLE FOR ANY TYPE OF INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY, PUNITIVE, OR INDIRECT DAMAGES WHETHER OR NOT PURCHASER IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL HAVE THE SAME DURATION AS THE ABOVE EXPRESS WARRANTY.** Some states do not allow limitations on how long an implied warranty lasts or limitations on incidental or consequential damages, so portions of the limitations above might not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

Pro Industrial™ Acrolon™ 100

Waterbased Urethane

B65-700 Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

Pro Industrial Waterbased Acrolon 100 is an advanced technology, less than 100 grams per litre V.O.C., waterbased, acrylic urethane. It provides performance properties comparable to premium quality solvent based urethanes. This is a high gloss, abrasion resistant urethane that has excellent weathering properties.

Features:

- Can be applied directly to water based and solvent based organic zinc rich primers
- Suitable for use in Canadian Food Processing facilities (B65W721, B65T724, B65R720, B65Y720 & B65V720): Non-Food contact areas.
- Suitable for use in USDA inspected facilities
- Clear Tint Base (B65T00724) can be used as clear coat

Finish: 80+ @60° High Gloss

Color: Many colors

Recommended Spreading Rate per coat:

Wet mils: 4.0-8.0

Dry mils: 1.8-3.6

Coverage: sq.ft. per gallon 200-400

Theoretical Coverage: 721

sq. ft. per gallon @1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 5.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@55°F	@77°F	@120°F
To touch:	3 hrs.	1.5 hrs.	45 min.
To handle	12 hrs.	6 hrs.	2 hrs.
Minimum recoat:	16 hrs.	8 hrs.	2-4 hrs.
Maximum recoat: *3 months	3 months	3 months	3 months
To cure	14 days	10 days	2 days
Pot Life	2.5 hrs.	2 hrs.	45 min.

Maximum recoat:*3 months 3 months 3 months

To cure 14 days 10 days 2 days

Pot Life 2.5 hrs. 2 hrs. 45 min.

Sweat-In-Time none required

Mix Ratio: 2 components, 4:1 by volume

*If maximum recoat time is exceeded, abrade surface before recoating.

Tinting part A with CCE: Use the 100% tint strength formula pages. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

Extra White B65W00721/B65V00720

(may vary by color)

V.O.C. (less exempt solvents):

As mixed 4:1 unreduced
98 grams per litre; 0.82 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 45 ± 2%

Weight Solids: 52 ± 2%

Weight per Gallon: 9.54 lb

Flash Point: 105°F TCC

Vehicle Type: Acrylic urethane

Shelf Life: 24 months unopened

COMPLIANCE

As of 05/18/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
(CDPH v1.2-B65W721/B65V720)	
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Manufacturer Inventory	No
MPI®	N.A.

APPLICATION

Temperature:

minimum 55°F
maximum 120°F

air, surface, and material

At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed compatible compliant reducer. Any reduction must be compatible with the existing environmental and application conditions. Reduction over 15% of material can affect film build, appearance, and adhesion.

Reducer: Water

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with water.

Airless Spray: 30:1 pump

Pressure 2700-3000 p.s.i.

Hose 1/4 inch I.D.

Tip .013-.015 inch

Filter 60 mesh

Reduction As needed up to 15% by volume

Brush Nylon-polyester

Roller Cover 3/8 inch woven

Reduction As needed up to 15% by volume

with water, 5-15% minimum reduction required for brush and roll

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Mix separate components thoroughly with low speed agitation before use. Make certain no pigment remains on the bottom of the can. Then combine 4 parts by volume of Part A with 1 part by volume of Part B. Mix thoroughly with low speed agitation. Reduce 5% - 15% by volume with water for brush and roll application. Re-stir before using. If reducer is used, add only after both components have been thoroughly mixed together. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new.

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

SPECIFICATIONS

Steel:

1 coat Pro Industrial Pro-Cryl Primer
or
1 coat Kem Bond HS
1-2 coats Pro Industrial Waterbased Acrolon 100

Steel:

1 coat Zinc-Clad IV Primer
1-2 coats Pro Industrial Waterbased Acrolon 100

Steel:

1 coat Zinc-Clad IV Primer
1 coat Macropoxy 646-100
1-2 coats Pro Industrial Waterbased Acrolon 100

Aluminum and Galvanizing:

1 coat DTM Wash Primer
1-2 coats Pro Industrial Waterbased Acrolon 100

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller
1-2 coats Pro Industrial Waterbased Acrolon 100

Concrete (high performance):

1 coat Kem Cati-Coat HS Epoxy Filler-Sealer
1-2 coats Pro Industrial Waterbased Acrolon 100

Concrete and Masonry Smooth:

1 coat Loxon Concrete and Masonry Primer
1-2 coats Pro Industrial Waterbased Acrolon 100

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
1-2 coats Pro Industrial Waterbased Acrolon 100

Pre-Finished Siding:(Baked-on finishes)

1 coat Bond-Plex Waterbased Acrylic
1-2 coats Pro Industrial Waterbased Acrolon 100

The systems listed above are representative of the product's use, other systems may be appropriate.

Pro Industrial™ Acrolon 100

Waterbased Urethane

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. Do not use hydrocarbon solvents for cleaning.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Primer required.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Primer required.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Concrete and Masonry - For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No.310.2R, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Surface temperatures must be at least 55°F (12.8°C) before filling. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids. Primer required.

Pre-Finished Siding: (Fluorocarbon, Silicone Polyester, and Polyester Polymers) Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72 (caution: excessive blasting pressure may cause warping, use caution). Always check for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. Use recommended primer.

SURFACE PREPARATION

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Extra White B65W00721/B65V00720

System Tested: (unless otherwise indicated)

Substrate: Steel

Surface Preparation: SSPC-SP10

Finish: 1 coat Kem Bond H.S. Primer @ 3.0 mils D.F.T.

1 coat Pro Industrial Waterbased Acrolon 100 @ 3.6 mils D.F.T.

Dry Time: 7 day ambient cure

Abrasion Resistance:

Method: ASTM D4060

Result: 28.9 mg loss

Adhesion:

Method: ASTM D4541

Result: 1365 p.s.i.

Corrosion Weathering:

Method: ASTM D5894

Result: Rating 8, per ASTM D714 for Blistering. Rating 10 per ASTM D1654 for corrosion

Salt Fog Resistance: 1000 hours

Method: ASTM B117

Result: Rating 10, per ASTM D714 for Blistering. Rating 10 per ASTM D1654 for corrosion

Direct Impact Resistance:

Method: ASTM D2794

Result: 136 inch lbs.

Flexibility:

Method: ASTM D522, 1/8 inch mandrel

Result: Pass

Pencil Hardness:

Method: ASTM D3363

Result: 6 H

Moisture Condensation Resistance: 1000 hrs

Method: ASTM D4585

Result: Rating 10, per ASTM D714 for Blistering. Rating 10 per ASTM D1654 for corrosion

Chemical Resistance Rating:

B65W00721/B65V00720

(1 hour direct exposure to dry film incidental contact)

5% Phosphoric Acid- Pass

10% Hydrochloric Acid- Pass

25% Sodium Hydroxide- Pass

50% Sulfuric Acid- Pass

Isopropyl Alcohol- Pass

Ammonia- Pass

Peridox RTU®- Pass

Chlorox® Dispatch®-Slight color change or gloss loss

Methanol- Pass

Mineral Spirits- Pass

Motor Oil- Pass

Vegetable Oil- Pass

WVP Perms (US):

Method: ASTM D1653 grains/(hr ft² in Hg)

Result: 10.32 perms

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label.

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

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ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

41 00 [2013]

Date of Preparation
Jul 20, 2023

PRODUCT NUMBER

B51W620

PRODUCT NAME

PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer, White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a). All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

Hazard Category (for SARA 311.312)

B51W620 = | Acute | Chronic |

Product Weight

10.89 lb/gal

Specific Gravity

1.31

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	48	65

Volatile Organic Compounds - U.S. EPA / Canada

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Federally exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.00**

Volatile Organic Compounds - California

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.00**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B51W620	
	By wt	By vol
Total Volatiles	48.4%	64.9%
VOC Content	LB/Gal	g/L
Total	0.00	0

Volatile Organic Compounds - EU Directive 2010/75/EU

	B51W620	
	By wt	By vol
Total Volatiles	48.4%	64.9%
VOC Content	LB/Gal	g/L
Total	0.00	0

Volatile Organic Compounds - Mexico

	B51W620	
	LB/Gal	g/L
Coating Density	10.89	1304
	By wt	By vol
Total Volatiles	48.4%	64.9%
Exempt solvents		
Water	48.3%	64.7%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	0.0%	0.0%
Percent Non-Volatile	51.6%	35.1%
VOC Content	LB/Gal	g/L
Total	0.00	0
Less exempt solvents	0.00	0
Of solids	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B51W620	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

5.52 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jul 27, 2023

08 00 [2083]

PRODUCT NUMBER

B66W1310

PRODUCT NAME

PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer, Off White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B66W1310 = | Acute | Chronic |

Product Weight

10.09 lb/gal

Specific Gravity

1.21

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	49	59

Volatile Organic Compounds - U.S. EPA / Canada

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Federally exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.3%	1.8%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.13	15
Less exempt solvents	0.32	39
Of solids	0.34	41
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.3%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.02**

Volatile Organic Compounds - California

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.35	41
Of solids	0.37	44
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.4%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.35	41
Of solids	0.37	44
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B66W1310	
	By wt	By vol
Total Volatiles	50.5%	61.6%
VOC Content	LB/Gal	g/L
Total	0.14	17

Volatile Organic Compounds - EU Directive 2010/75/EU

	B66W1310	
	By wt	By vol
Total Volatiles	49.4%	60.2%
VOC Content	LB/Gal	g/L
Total	0.03	4

Volatile Organic Compounds - Mexico

	B66W1310	
	LB/Gal	g/L
Coating Density	10.09	1209
	By wt	By vol
Total Volatiles	50.5%	61.6%
Exempt solvents		
Water	48.9%	59.4%
Non-Organic Volatiles		
Ammonium Hydroxide	0.2%	0.2%
Organic Volatiles	1.4%	1.9%
Percent Non-Volatile	49.5%	38.4%
VOC Content	LB/Gal	g/L
Total	0.14	17
Less exempt solvents	0.35	41
Of solids	0.37	44
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B66W1310	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.22 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jun 9, 2023

16 00 [1072]

PRODUCT NUMBER

B73W361

PRODUCT NAME

PRO INDUSTRIAL™ Water Based Catalyzed Epoxy - Eg-Shel (Part A), Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B73W361 = | Acute | Chronic |

Product Weight

10.29 lb/gal

Specific Gravity

1.24

FLASH POINT

N.A.

AS MIXED (as per product data sheet): catalyzed 4:1; part A to part B; unreduced

AS MIXED

Product Weight

9.97 lb/gal

Specific Gravity

1.20

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	45	56

Volatile Ingredients AS MIXED

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	49	59

Volatile Organic Compounds - U.S. EPA / Canada

	B73W361		AS MIXED catalyzed 4:1; part A to part B; unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1195
	By wt	By vol	By wt	By vol
Total Volatiles	45.0%	56.1%	48.6%	58.8%
Federally exempt solvents				
Water	44.9%	56.1%	48.6%	58.8%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	55.0%	43.9%	51.4%	41.2%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.0%		0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.00**

AS MIXED Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.00**

Volatile Organic Compounds - California

	B73W361		AS MIXED catalyzed 4:1; part A to part B; unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1195
	By wt	By vol	By wt	By vol
Total Volatiles	45.0%	56.1%	48.6%	58.8%
Exempt solvents				
Water	44.9%	56.1%	48.6%	58.8%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	55.0%	43.9%	51.4%	41.2%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.0%		0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.00**

AS MIXED Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.00**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B73W361		AS MIXED catalyzed 4:1; part A to part B; unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1195
	By wt	By vol	By wt	By vol
Total Volatiles	45.0%	56.1%	48.6%	58.8%
Exempt solvents				
Water	44.9%	56.1%	48.6%	58.8%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	55.0%	43.9%	51.4%	41.2%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B73W361		AS MIXED catalyzed 4:1; part A to part B; unreduced	
	By wt	By vol	By wt	By vol
Total Volatiles	45.0%	56.1%	48.9%	59.1%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.02	3

Volatile Organic Compounds - EU Directive 2010/75/EU

	B73W361		AS MIXED catalyzed 4:1; part A to part B; unreduced	
	By wt	By vol	By wt	By vol
Total Volatiles	45.0%	56.1%	48.6%	58.8%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0

Volatile Organic Compounds - Mexico

	B73W361		AS MIXED catalyzed 4:1; part A to part B; unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1195
	By wt	By vol	By wt	By vol
Total Volatiles	45.0%	56.1%	48.6%	58.8%
Exempt solvents				
Water	44.9%	56.1%	48.6%	58.8%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	55.0%	43.9%	51.4%	41.2%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B73W361		AS MIXED catalyzed 4:1; part A to part B; unreduced	
	LB/Gal	kg/L	LB/Gal	kg/L
Volatile HAPS	0.00	0.000	0.00	0.000
Of solids	0.00	0.000	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

11.18 lb/gal

Photochemically Reactive

No

Density of Organic Solvent Blend AS MIXED

10.63 lb/gal

Photochemically Reactive AS MIXED

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

US EPA TSCA: AS MIXED

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against: AS MIXED

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jun 9, 2023

20 00 [0753]

PRODUCT NUMBER

B73W311

PRODUCT NAME

PRO INDUSTRIAL™ Water Based Catalyzed Epoxy - Gloss (Part A), Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B73W311 = | Acute | Chronic |

Product Weight

10.29 lb/gal

Specific Gravity

1.24

FLASH POINT

N.A.

AS MIXED (as per product data sheet): Catalyzed 4 parts A to 1 part B, unreduced

AS MIXED

Product Weight

9.97 lb/gal

Specific Gravity

1.20

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	47	59

Volatile Ingredients AS MIXED

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	50	61

Volatile Organic Compounds - U.S. EPA / Canada

	B73W311		AS MIXED Catalyzed 4 parts A to 1 part B, unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1194
	By wt	By vol	By wt	By vol
Total Volatiles	46.9%	58.5%	50.3%	60.7%
Federally exempt solvents				
Water	46.9%	58.5%	50.2%	60.7%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	53.1%	41.5%	49.7%	39.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.0%		0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.00**

AS MIXED Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.00**

Volatile Organic Compounds - California

	B73W311		AS MIXED Catalyzed 4 parts A to 1 part B, unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1194
	By wt	By vol	By wt	By vol
Total Volatiles	46.9%	58.5%	50.3%	60.7%
Exempt solvents				
Water	46.9%	58.5%	50.2%	60.7%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	53.1%	41.5%	49.7%	39.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.0%		0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.00**

AS MIXED Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.00**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B73W311		AS MIXED Catalyzed 4 parts A to 1 part B, unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1194
	By wt	By vol	By wt	By vol
Total Volatiles	46.9%	58.5%	50.3%	60.7%
Exempt solvents				
Water	46.9%	58.5%	50.2%	60.7%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	53.1%	41.5%	49.7%	39.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B73W311		AS MIXED Catalyzed 4 parts A to 1 part B, unreduced	
	By wt	By vol	By wt	By vol
Total Volatiles	46.9%	58.5%	50.5%	61.0%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.02	2

Volatile Organic Compounds - EU Directive 2010/75/EU

	B73W311		AS MIXED Catalyzed 4 parts A to 1 part B, unreduced	
	By wt	By vol	By wt	By vol
Total Volatiles	46.9%	58.5%	50.3%	60.7%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0

Volatile Organic Compounds - Mexico

	B73W311		AS MIXED Catalyzed 4 parts A to 1 part B, unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	10.29	1233	9.97	1194
	By wt	By vol	By wt	By vol
Total Volatiles	46.9%	58.5%	50.3%	60.7%
Exempt solvents				
Water	46.9%	58.5%	50.2%	60.7%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	53.1%	41.5%	49.7%	39.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B73W311		AS MIXED Catalyzed 4 parts A to 1 part B, unreduced	
	LB/Gal	kg/L	LB/Gal	kg/L
Volatile HAPS	0.00	0.000	0.00	0.000
Of solids	0.00	0.000	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.81 lb/gal

Photochemically Reactive

No

Density of Organic Solvent Blend AS MIXED

7.80 lb/gal

Photochemically Reactive AS MIXED

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

US EPA TSCA: AS MIXED

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against: AS MIXED

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

27 00 [0963]

Date of Preparation
Aug 7, 2023

PRODUCT NUMBER

A12W151

PRODUCT NAME

A-100® Exterior Low Sheen Latex Paint, Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a). All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

Hazard Category (for SARA 311.312)

A12W151 = | Acute | Chronic |

Product Weight

10.56 lb/gal

Specific Gravity

1.27

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	48	62

Regulated Compounds

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Zinc (as Zn)	N	Y	Y	N	2	
Zinc Compound	N	N	Y	N	2	

Volatile Organic Compounds - U.S. EPA / Canada

	A12W151	
	LB/Gal	g/L
Coating Density	10.56	1265
	By wt	By vol
Total Volatiles	49.2%	63.1%
Federally exempt solvents		
Water	48.1%	61.7%
Organic Volatiles	1.1%	1.3%
Percent Non-Volatile	50.8%	36.9%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	35
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.02**

Volatile Organic Compounds - California

	A12W151	
	LB/Gal	g/L
Coating Density	10.56	1265
	By wt	By vol
Total Volatiles	49.2%	63.1%
Exempt solvents		
Water	48.1%	61.7%
Organic Volatiles	1.1%	1.3%
Percent Non-Volatile	50.8%	36.9%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	35
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg
	By wt	
By wt LVP-VOC	0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.02**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	A12W151	
	LB/Gal	g/L
Coating Density	10.56	1265
	By wt	By vol
Total Volatiles	49.2%	63.1%
Exempt solvents		
Water	48.1%	61.7%
Organic Volatiles	1.1%	1.3%
Percent Non-Volatile	50.8%	36.9%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	35
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	A12W151	
	By wt	By vol
Total Volatiles	48.9%	62.7%
VOC Content	LB/Gal	g/L
Total	0.07	9

Volatile Organic Compounds - EU Directive 2010/75/EU

	A12W151	
	By wt	By vol
Total Volatiles	48.9%	62.7%
VOC Content	LB/Gal	g/L
Total	0.07	9

Volatile Organic Compounds - Mexico

	A12W151	
	LB/Gal	g/L
Coating Density	10.56	1265
	By wt	By vol
Total Volatiles	49.2%	63.1%
Exempt solvents		
Water	48.1%	61.7%
Organic Volatiles	1.1%	1.3%
Percent Non-Volatile	50.8%	36.9%
VOC Content	LB/Gal	g/L
Total	0.11	13
Less exempt solvents	0.29	35
Of solids	0.30	36
Of solids	0.02 lb/lb	0.02 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	A12W151	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

8.45 lb/gal

Photochemically Reactive

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

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ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jul 15, 2023

08 00 [1963]

PRODUCT NUMBER

50.10021-

PRODUCT NAME

H&C® CLARISHIELD Water-Based Natural Look Clear Sealer

MANUFACTURER'S NAME

H&C PRODUCTS GROUP
101 W. Prospect Ave.
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

50.10021- = | Acute | Chronic |

Product Weight

8.58 lb/gal

Specific Gravity

1.03

FLASH POINT

N.A.

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Trimethylpentanediol Isobutyrate 25265-77-4	N	N	N	N	2	2
Water 7732-18-5	N	N	N	N	68	70

Volatile Organic Compounds - U.S. EPA / Canada

	50.10021-	
	LB/Gal	g/L
Coating Density	8.58	1028
	By wt	By vol
Total Volatiles	70.8%	73.3%
Federally exempt solvents		
Water	68.2%	70.5%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	2.5%	2.7%
Percent Non-Volatile	29.2%	26.7%
VOC Content	LB/Gal	g/L
Total	0.21	25
Less exempt solvents	0.73	87
Of solids	0.80	96
Of solids	0.08 lb/lb	0.08 kg/kg
	By wt	
By wt LVP-VOC	0.3%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.05**

Volatile Organic Compounds - California

	50.10021-	
	LB/Gal	g/L
Coating Density	8.58	1028
	By wt	By vol
Total Volatiles	70.8%	73.3%
Exempt solvents		
Water	68.2%	70.5%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	2.5%	2.7%
Percent Non-Volatile	29.2%	26.7%
VOC Content	LB/Gal	g/L
Total	0.21	25
Less exempt solvents	0.73	87
Of solids	0.80	96
Of solids	0.08 lb/lb	0.08 kg/kg
	By wt	
By wt LVP-VOC	0.3%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.04**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	50.10021-	
	LB/Gal	g/L
Coating Density	8.58	1028
	By wt	By vol
Total Volatiles	70.8%	73.3%
Exempt solvents		
Water	68.2%	70.5%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	2.5%	2.7%
Percent Non-Volatile	29.2%	26.7%
VOC Content	LB/Gal	g/L
Total	0.21	25
Less exempt solvents	0.73	87
Of solids	0.80	96
Of solids	0.08 lb/lb	0.08 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	50.10021-	
	By wt	By vol
Total Volatiles	69.2%	71.7%
VOC Content	LB/Gal	g/L
Total	0.08	9

Volatile Organic Compounds - EU Directive 2010/75/EU

	50.10021-	
	By wt	By vol
Total Volatiles	69.0%	71.4%
VOC Content	LB/Gal	g/L
Total	0.06	7

Volatile Organic Compounds - Mexico

	50.10021-	
	LB/Gal	g/L
Coating Density	8.58	1028
	By wt	By vol
Total Volatiles	70.8%	73.3%
Exempt solvents		
Water	68.2%	70.5%
Non-Organic Volatiles		
Ammonium Hydroxide	0.1%	0.2%
Organic Volatiles	2.5%	2.7%
Percent Non-Volatile	29.2%	26.7%
VOC Content	LB/Gal	g/L
Total	0.21	25
Less exempt solvents	0.73	87
Of solids	0.80	96
Of solids	0.08 lb/lb	0.08 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	50.10021-	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data**Density of Organic Solvent Blend**

7.91 lb/gal

Photochemically Reactive

No

Additional Regulatory Information**US EPA TSCA:**

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

Waste Disposal

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ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Feb 14, 2023

19 00 [3222]

PRODUCT NUMBER

B65W721

PRODUCT NAME

Pro Industrial™ Waterbased Acrolon™ 100 HS Waterbased Urethane (Part A), Extra White / Tint Base

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

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Hazard Category (for SARA 311.312)

B65W721 = | Acute | Chronic |

Product Weight

9.71 lb/gal

Specific Gravity

1.17

FLASH POINT

> 200 °F PMCC

AS MIXED (as per product data sheet): catalyzed 4 part B65W721 to 1 part B65V720 unreduced

AS MIXED

Product Weight

9.60 lb/gal

Specific Gravity

1.15

FLASH POINT

105 °F TCC

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Water 7732-18-5	N	N	N	N	53	61

Volatile Ingredients AS MIXED

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
n-Butyl Acetate 123-86-4	N	Y	N	N	3	4
Water 7732-18-5	N	N	N	N	43	49

Volatile Organic Compounds - U.S. EPA / Canada

	B65W721		AS MIXED catalyzed 4 part B65W721 to 1 part B65V720 unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.71	1163	9.60	1149
	By wt	By vol	By wt	By vol
Total Volatiles	54.7%	63.3%	47.3%	54.7%
Federally exempt solvents				
Water	53.2%	61.4%	43.0%	49.1%
Organic Volatiles	1.5%	1.9%	4.3%	5.6%
Percent Non-Volatile	45.3%	36.7%	52.7%	45.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.14	16	0.41	49
Less exempt solvents	0.36	43	0.81	97
Of solids	0.38	46	0.91	109
Of solids	0.03 lb/lb	0.03 kg/kg	0.08 lb/lb	0.08 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.9%		3.8%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.03**

AS MIXED Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.05**

Volatile Organic Compounds - California

	B65W721		AS MIXED catalyzed 4 part B65W721 to 1 part B65V720 unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.71	1163	9.60	1149
	By wt	By vol	By wt	By vol
Total Volatiles	54.7%	63.3%	47.3%	54.7%
Exempt solvents				
Water	53.2%	61.4%	43.0%	49.1%
Organic Volatiles	1.5%	1.9%	4.3%	5.6%
Percent Non-Volatile	45.3%	36.7%	52.7%	45.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.14	16	0.41	49
Less exempt solvents	0.36	43	0.81	97
Of solids	0.38	46	0.91	109
Of solids	0.03 lb/lb	0.03 kg/kg	0.08 lb/lb	0.08 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.9%		3.8%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.03**

AS MIXED Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.05**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	B65W721		AS MIXED catalyzed 4 part B65W721 to 1 part B65V720 unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.71	1163	9.60	1149
	By wt	By vol	By wt	By vol
Total Volatiles	54.7%	63.3%	47.3%	54.7%
Exempt solvents				
Water	53.2%	61.4%	43.0%	49.1%
Organic Volatiles	1.5%	1.9%	4.3%	5.6%
Percent Non-Volatile	45.3%	36.7%	52.7%	45.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.14	16	0.41	49
Less exempt solvents	0.36	43	0.81	97
Of solids	0.38	46	0.91	109
Of solids	0.03 lb/lb	0.03 kg/kg	0.08 lb/lb	0.08 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B65W721		AS MIXED catalyzed 4 part B65W721 to 1 part B65V720 unreduced	
	By wt	By vol	By wt	By vol
Total Volatiles	54.7%	63.3%	47.3%	54.7%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.14	16	0.41	49

Volatile Organic Compounds - EU Directive 2010/75/EU

	B65W721		AS MIXED catalyzed 4 part B65W721 to 1 part B65V720 unreduced	
	By wt	By vol	By wt	By vol
Total Volatiles	54.5%	63.1%	47.1%	54.5%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.12	14	0.39	47

Volatile Organic Compounds - Mexico

	B65W721		AS MIXED catalyzed 4 part B65W721 to 1 part B65V720 unreduced	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.71	1163	9.60	1149
	By wt	By vol	By wt	By vol
Total Volatiles	54.7%	63.3%	47.3%	54.7%
Exempt solvents				
Water	53.2%	61.4%	43.0%	49.1%
Organic Volatiles	1.5%	1.9%	4.3%	5.6%
Percent Non-Volatile	45.3%	36.7%	52.7%	45.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.14	16	0.41	49
Less exempt solvents	0.36	43	0.81	97
Of solids	0.38	46	0.91	109
Of solids	0.03 lb/lb	0.03 kg/kg	0.08 lb/lb	0.08 kg/kg

Hazardous Air Pollutants (Clean Air Act, Section 112(b))

	B65W721		AS MIXED catalyzed 4 part B65W721 to 1 part B65V720 unreduced	
	LB/Gal	kg/L	LB/Gal	kg/L
Volatile HAPS	0.00	0.000	0.00	0.000
Of solids	0.00	0.000	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.60 lb/gal

Photochemically Reactive

No

Density of Organic Solvent Blend AS MIXED

7.39 lb/gal

Photochemically Reactive AS MIXED

No

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

US EPA TSCA: AS MIXED

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against: AS MIXED

Not Applicable

Waste Disposal

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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SAFETY DATA SHEET

B51W620

Section 1. Identification

Product name : PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer
White

Product code : B51W620

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: 1-800-474-3794
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : CARCINOGENICITY - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure. (lungs)

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Section 2. Hazards identification

- Response** : IF exposed or concerned: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure. This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
- Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Talc	≤10	14807-96-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust
Talc	14807-96-6	ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles NIOSH REL (United States, 10/2020). TWA: 2 mg/m ³ 10 hours. Form: Respirable fraction ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
talc (none asbestiform)	14807-96-6	CA British Columbia Provincial (Canada, 6/2022). Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica. TWA: 2 mg/m ³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2022). TWAEV: 2 mg/m ³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m ³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m ³ 8 hours. Form: Respirable particulate matter. TWA: 2 f/cc 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). TWA: 2 mg/m ³ 8 hours. Form: respirable fraction

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Section 8. Exposure controls/personal protection

Environmental exposure controls : This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.
Color : Not available.
Odor : Not available.
Odor threshold : Not available.
pH : 8.8
Melting point/freezing point : Not available.
Boiling point, initial boiling point, and boiling range : 100°C (212°F)
Flash point : Closed cup: Not applicable.
Evaporation rate : 0.09 (butyl acetate = 1)

Section 9. Physical and chemical properties

Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.31
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
<u>Aerosol product</u>	
Heat of combustion	: 0.381 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Talc	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Section 11. Toxicological information

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Talc	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Talc	Category 1	inhalation	lungs

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Section 11. Toxicological information

Potential chronic health effects

Not available.

- General** : Causes damage to organs through prolonged or repeated exposure.
- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

- Soil/water partition coefficient (K_{oc})** : Not available.

- Other adverse effects** : No known significant effects or critical hazards.

Section 13. Disposal considerations

- Disposal methods** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

Section 13. Disposal considerations

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 proposed significant new use rules:** 2-Methyl-4-isothiazolin-3-one; reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

TSCA 5(a)2 final significant new use rules: Sodium Nitrite

List name	Chemical name	Notes
United States - TSCA 5(a) 2 - Final significant new use rules	Sodium Nitrite	40 CFR 721.4740

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

SARA 313

Section 15. Regulatory information

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

[California Prop. 65](#)

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

[International regulations](#)

[International lists](#)

- : **Australia inventory (AIIIC):** Not determined.
- : **China inventory (IECSC):** Not determined.
- : **Japan inventory (CSCL):** Not determined.
- : **Japan inventory (ISHL):** Not determined.
- : **Korea inventory (KECI):** Not determined.
- : **New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- : **Philippines inventory (PICCS):** Not determined.
- : **Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- : **Thailand inventory:** Not determined.
- : **Turkey inventory:** Not determined.
- : **Vietnam inventory:** Not determined.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

Health	*	3
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

[Procedure used to derive the classification](#)

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

[History](#)

Date of printing : 7/14/2023

Date of issue/Date of revision : 7/14/2023

Date of previous issue : 6/12/2023

Version : 21.05

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available

Section 16. Other information

SGG = Segregation Group

UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

B66W1310

Section 1. Identification

Product name : PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer
Off White

Product code : B66W1310

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause cancer.

Precautionary statements

Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
- Response** : IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.
- This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
- Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Calcium Carbonate	≥10 - <20	1317-65-3
Titanium Dioxide	≤10	13463-67-7
Polypropylene glycol alkyl phenyl ether	≤1	9064-13-5
Light Aliphatic Hydrocarbon	≤0.3	64742-47-8
Cristobalite, respirable powder	≤0.3	14464-46-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Calcium Carbonate	1317-65-3	OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust NIOSH REL (United States, 10/2020). [calcium carbonate] TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles None.
Polypropylene glycol alkyl phenyl ether Light Aliphatic Hydrocarbon	9064-13-5 64742-47-8	ACGIH TLV (United States, 1/2022). [Kerosene as total hydrocarbon vapor] Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours.
Cristobalite, respirable powder	14464-46-1	OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf / 2 x (%SiO ₂ +5) 8 hours. Form: Respirable TWA: 10 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 30 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Total dust

Section 8. Exposure controls/personal protection

		<p>OSHA PEL (United States, 5/2018). [Silica, crystalline] TWA: 50 µg/m³ 8 hours. Form: Respirable dust</p> <p>ACGIH TLV (United States, 1/2022). [Silica, crystalline] TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction</p> <p>NIOSH REL (United States, 10/2020). [SILICA, CRYSTALLINE (AS RESPIRABLE DUST)] TWA: 0.05 mg/m³ 10 hours. Form: respirable dust</p>
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Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Petroleum refining, hydrotreated light distillate	64742-47-8	<p>CA British Columbia Provincial (Canada, 6/2022). [Kerosene/Jet fuels as total hydrocarbon vapour] Absorbed through skin. Notes: Application restricted to conditions in which there are negligible aerosol exposures. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours.</p> <p>CA Alberta Provincial (Canada, 6/2018). [Kerosene/Jet fuels as total hydrocarbon vapour] Absorbed through skin. 8 hrs OEL: 200 mg/m³, (as total hydrocarbon vapour) 8 hours.</p> <p>CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 mg/m³, (as total hydrocarbon vapour) 8 hours.</p>
Cristobalite	14464-46-1	<p>CA British Columbia Provincial (Canada, 6/2022). [Silica, Crystalline - alpha quartz and Cristobalite Respirable] TWA: 0.025 mg/m³ 8 hours. Form: Respirable</p> <p>CA Quebec Provincial (Canada, 6/2022). TWA EV: 0.05 mg/m³ 8 hours. Form: Respirable dust.</p> <p>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 0.025 mg/m³ 8 hours. Form: Respirable particulate</p> <p>CA Ontario Provincial (Canada, 6/2019). TWA: 0.05 mg/m³ 8 hours. Form: Respirable particulate matter.</p> <p>CA Saskatchewan Provincial (Canada, 7/2013). TWA: 0.05 mg/m³ 8 hours. Form: respirable fraction</p>

Occupational exposure limits (Mexico)

Section 8. Exposure controls/personal protection

	CAS #	Exposure limits
None.		

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.

Section 9. Physical and chemical properties

pH	: 9.1
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.21
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Heat of combustion	: 1.267 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide Cristobalite, respirable powder	- -	2B 1	- Known to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Calcium Carbonate	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Cristobalite, respirable powder	Category 1	inhalation	respiratory tract

Aspiration hazard

Name	Result
Light Aliphatic Hydrocarbon	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness

Section 11. Toxicological information

- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Light Aliphatic Hydrocarbon	Acute LC50 2200 µg/l Fresh water	Fish - Lepomis macrochirus	4 days

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Section 12. Ecological information

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Section 14. Transport information

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : TSCA 5(a)2 proposed significant new use rules: 2-Methyl-4-isothiazolin-3-one; reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

TSCA 5(a)2 final significant new use rules: Sodium Nitrite

[List name](#) [Chemical name](#) [Notes](#)

United States - TSCA 5(a)
2 - Final significant new use rules

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

[SARA 313](#)

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

[California Prop. 65](#)

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

[International regulations](#)

[International lists](#)

: **Australia inventory (AIIIC):** Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

[Procedure used to derive the classification](#)

Section 16. Other information

Classification	Justification
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 1A	Calculation method

History

Date of printing : 6/13/2023

Date of issue/Date of revision : 6/13/2023

Date of previous issue : 5/2/2023

Version : 23.01

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- N/A = Not available
- SGG = Segregation Group
- UN = United Nations

🔍 Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.


SAFETY DATA SHEET

B73W361

Section 1. Identification

Product name	: PRO INDUSTRIAL™ Water Based Catalyzed Epoxy - Eg-Shel (Part A) Extra White
Product code	: B73W361
Other means of identification	: Not available.
Product type	: Liquid.
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Paint or paint related material.	
Manufacturer	: THE SHERWIN-WILLIAMS COMPANY 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: (800) 524-5979 Mexico: Not Available
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 27.6% (oral), 27.6% (dermal), 27.6% (inhalation)
<u>GHS label elements</u>	
Hazard pictograms	: 
Signal word	: Warning
Hazard statements	: May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer.
<u>Precautionary statements</u>	

Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
- Response** : IF exposed or concerned: Get medical advice or attention. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Contains Formaldehyde - a potential cancer hazard. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.
- This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
- Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	CAS number
Epoxy Resin	≥25 - ≤50	69761-19-9
Titanium Dioxide	≥10 - ≤25	13463-67-7
Polypropylene glycol alkyl phenyl ether	≤1	9064-13-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers

Section 7. Handling and storage

retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Epoxy Resin Titanium Dioxide	69761-19-9 13463-67-7	None. OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
Polypropylene glycol alkyl phenyl ether	9064-13-5	None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
None.		

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

: **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : 100°C (212°F)
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg)
- Relative vapor density** : 1 [Air = 1]
- Relative density** : 1.23
- Solubility(ies)** :

Section 9. Physical and chemical properties

Media	Result
cold water	Not soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): >20.5 mm²/s (>20.5 cSt)

Molecular weight : Not applicable.

Aerosol product

Heat of combustion : 0.416 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

Section 11. Toxicological information

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness
Inhalation : No specific data.
Skin contact : Adverse symptoms may include the following:
irritation
redness
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.

Section 11. Toxicological information

- Teratogenicity** : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

- Soil/water partition coefficient (K_{oc})** : Not available.

- Other adverse effects** : No known significant effects or critical hazards.

Section 13. Disposal considerations

- Disposal methods** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 proposed significant new use rules:** reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); 2-Methyl-4-isothiazolin-3-one

TSCA 5(a)2 final significant new use rules: Sodium Nitrite

[List name](#) [Chemical name](#) [Notes](#)

United States - TSCA 5(a) Sodium Nitrite
2 - Final significant new use rules

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 15. Regulatory information

International regulations

International lists

- : Australia inventory (AIIIC): Not determined.
- China inventory (IECSC): Not determined.
- Japan inventory (CSCL): Not determined.
- Japan inventory (ISHL): Not determined.
- Korea inventory (KECI): Not determined.
- New Zealand Inventory of Chemicals (NZIoC): Not determined.
- Philippines inventory (PICCS): Not determined.
- Taiwan Chemical Substances Inventory (TCSI): Not determined.
- Thailand inventory: Not determined.
- Turkey inventory: Not determined.
- Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method

History

Date of printing : 6/9/2023

Date of issue/Date of revision : 6/9/2023

Date of previous issue : 11/24/2022

Version : 22.01

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Section 16. Other information

[Notice to reader](#)

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.


SAFETY DATA SHEET

B73W311

Section 1. Identification

Product name	: PRO INDUSTRIAL™ Water Based Catalyzed Epoxy - Gloss (Part A) Extra White
Product code	: B73W311
Other means of identification	: Not available.
Product type	: Liquid.
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Paint or paint related material.	
Manufacturer	: THE SHERWIN-WILLIAMS COMPANY 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: (800) 524-5979 Mexico: Not Available
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 27.4% (oral), 27.4% (dermal), 27.4% (inhalation)
<u>GHS label elements</u>	
Hazard pictograms	: 
Signal word	: Warning
Hazard statements	: May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer.
<u>Precautionary statements</u>	

Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
- Response** : IF exposed or concerned: Get medical advice or attention. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.
This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	CAS number
Epoxy Resin	≥25 - ≤50	69761-19-9
Titanium Dioxide	≥10 - ≤25	13463-67-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers

Section 7. Handling and storage

retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Epoxy Resin Titanium Dioxide	69761-19-9 13463-67-7	None. OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
None.		

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

: **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : 100°C (212°F)
- Flash point** : Closed cup: Not applicable.
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg)
- Relative vapor density** : 1 [Air = 1]
- Relative density** : 1.23
- Solubility(ies)** :

Media	Result
cold water	Not soluble

- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not available.

Section 9. Physical and chemical properties

Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
<u>Aerosol product</u>	
Heat of combustion	: 0.127 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Section 11. Toxicological information

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness
Inhalation : No specific data.
Skin contact : Adverse symptoms may include the following:
irritation
redness
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-

Section 14. Transport information

Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 proposed significant new use rules**: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); 2-Methyl-4-isothiazolin-3-one

TSCA 5(a)2 final significant new use rules: Sodium Nitrite

[List name](#) [Chemical name](#) [Notes](#)

United States - TSCA 5(a)
2 - Final significant new use rules

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

[SARA 313](#)

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

[California Prop. 65](#)

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

[International regulations](#)

International lists

: **Australia inventory (AIIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.

Section 15. Regulatory information

Taiwan Chemical Substances Inventory (TCSI): Not determined.

Thailand inventory: Not determined.

Turkey inventory: Not determined.

Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method

History

Date of printing : 6/9/2023

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Date of previous issue : 3/16/2023

Version : 20.02

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

▣ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements

Section 16. Other information

are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.


SAFETY DATA SHEET

A12W151

Section 1. Identification

Product name	: A-100® Exterior Low Sheen Latex Paint Extra White
Product code	: A12W151
Other means of identification	: Not available.
Product type	: Liquid.
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Paint or paint related material.	
Manufacturer	: THE SHERWIN-WILLIAMS COMPANY 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: 1-800-474-3794 Mexico: Not Available
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: CARCINOGENICITY - Category 1A
<u>GHS label elements</u>	
Hazard pictograms	: 
Signal word	: Danger
Hazard statements	: May cause cancer.
<u>Precautionary statements</u>	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection.
Response	: IF exposed or concerned: Get medical advice or attention.

Section 2. Hazards identification

- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure. Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Zinc Oxide	≤3	1314-13-2
Heavy Paraffinic Oil	≤1	64742-65-0
Cristobalite, respirable powder	≤0.3	14464-46-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-fighting measures

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
Zinc Oxide	1314-13-2	NIOSH REL (United States, 10/2020). CEIL: 15 mg/m ³ Form: Dust TWA: 5 mg/m ³ 10 hours. Form: Dust and fumes STEL: 10 mg/m ³ 15 minutes. Form: Fume OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Fume TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction
Heavy Paraffinic Oil	64742-65-0	ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction OSHA PEL (United States, 5/2018). [Oil mist, mineral] TWA: 5 mg/m ³ 8 hours. NIOSH REL (United States, 10/2020). [OIL MIST MINERAL] TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist
Cristobalite, respirable powder	14464-46-1	OSHA PEL Z3 (United States, 6/2016). TWA: 250 mppcf / 2 x (%SiO ₂ +5) 8 hours. Form: Respirable TWA: 10 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 30 mg/m ³ / 2 x (%SiO ₂ +2) 8 hours. Form: Total dust OSHA PEL (United States, 5/2018). [Silica, crystalline] TWA: 50 µg/m ³ 8 hours. Form: Respirable dust ACGIH TLV (United States, 1/2022). [Silica,

Section 8. Exposure controls/personal protection

		<p>crystalline] TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction NIOSH REL (United States, 10/2020). [SILICA, CRYSTALLINE (AS RESPIRABLE DUST)] TWA: 0.05 mg/m³ 10 hours. Form: respirable dust</p>
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Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Zinc Oxide	1314-13-2	<p>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m³ 8 hours. Form: Respirable 15 min OEL: 10 mg/m³ 15 minutes. Form: Respirable CA British Columbia Provincial (Canada, 6/2022). TWA: 2 mg/m³ 8 hours. Form: Respirable STEL: 10 mg/m³ 15 minutes. Form: Respirable CA Quebec Provincial (Canada, 6/2022). TWAEV: 2 mg/m³ 8 hours. Form: Respirable dust. STEV: 10 mg/m³ 15 minutes. Form: Respirable dust. CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m³ 8 hours. Form: Respirable particulate matter. STEL: 10 mg/m³ 15 minutes. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 10 mg/m³ 15 minutes. Form: respirable dust and fume TWA: 2 mg/m³ 8 hours. Form: respirable dust and fume</p>
Cristobalite	14464-46-1	<p>CA British Columbia Provincial (Canada, 6/2022). [Silica, Crystalline - alpha quartz and Cristobalite Respirable] TWA: 0.025 mg/m³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2022). TWAEV: 0.05 mg/m³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 0.025 mg/m³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). TWA: 0.05 mg/m³ 8 hours. Form: Respirable particulate matter. CA Saskatchewan Provincial (Canada, 7/2013). TWA: 0.05 mg/m³ 8 hours. Form: respirable fraction</p>

Section 8. Exposure controls/personal protection

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
Zinc Oxide	1314-13-2	NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction

Biological exposure indices (United States)

No exposure indices known.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

No exposure indices known.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 9
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.27
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
Heat of combustion	: 1.544 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Paraffinic Oil	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Zinc Oxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide Cristobalite, respirable powder	- -	2B 1	- Known to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Cristobalite, respirable powder	Category 1	inhalation	respiratory tract

Aspiration hazard

Name	Result
Heavy Paraffinic Oil	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Section 11. Toxicological information

- Skin contact** : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
Potential delayed effects : Not available.

Long term exposure

- Potential immediate effects** : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

- General** : No known significant effects or critical hazards.
Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide Zinc Oxide	Acute LC50 >1000000 µg/l Marine water	Fish - <i>Fundulus heteroclitus</i>	96 hours
	Acute IC50 1.85 mg/l Marine water	Algae - <i>Skeletonema costatum</i>	96 hours
	Acute LC50 98 µg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 1.1 ppm Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
Zinc Oxide	-	28960	High

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Section 14. Transport information

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

TSCA 5(a)2 proposed significant new use rules: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

International lists

: **Australia inventory (AIIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	1
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 1A	Calculation method

History

Date of printing : 8/7/2023

Date of issue/Date of revision : 8/7/2023

Date of previous issue : 6/11/2023

Version : 21

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

50.10021-

Section 1. Identification

Product name : H&C® CLARISHIELD Water-Based Natural Look Clear Sealer

Product code : 50.10021-

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : H&C Products Group
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US/Canada: (800) 424-9300
Mexico: CHEMTREC Mexico 800-681-9531. Available 24 hours and 365 days per year

Product Information Telephone Number : US/Canada: (800) 867-8246
Mexico: 800-717-3123 / 55-5333-1501

Regulatory Information Telephone Number : US/Canada: (216) 566-2902
Mexico: 800-717-3123 / 55-5333-1501

Transportation Emergency Telephone Number : US/Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Polyethylene	≤3	-

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Polyethylene		None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
2-Butoxyethanol	111-76-2	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 97 mg/m ³ 8 hours. 8 hrs OEL: 20 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). TWAEV: 20 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 30 ppm 15 minutes. TWA: 20 ppm 8 hours.
Methyl alcohol	67-56-1	CA Alberta Provincial (Canada, 6/2018). Absorbed through skin. 8 hrs OEL: 262 mg/m ³ 8 hours. 8 hrs OEL: 200 ppm 8 hours. 15 min OEL: 250 ppm 15 minutes. 15 min OEL: 328 mg/m ³ 15 minutes. CA British Columbia Provincial (Canada, 6/2022). Absorbed through skin. TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes. CA Ontario Provincial (Canada, 6/2019). Absorbed through skin. TWA: 200 ppm 8 hours. STEL: 250 ppm 15 minutes. CA Quebec Provincial (Canada, 6/2022).

Section 8. Exposure controls/personal protection

Absorbed through skin.

TWAEV: 200 ppm 8 hours.

TWAEV: 262 mg/m³ 8 hours.

STEV: 250 ppm 15 minutes.

STEV: 328 mg/m³ 15 minutes.

CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.

STEL: 250 ppm 15 minutes.

TWA: 200 ppm 8 hours.

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 9
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Lower: 0.6% Upper: 4.2%
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.03
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Heat of combustion	: 1.245 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Section 11. Toxicological information

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

TSCA 5(a)2 proposed significant new use rules: 2-Methyl-4-isothiazolin-3-one; reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Section 15. Regulatory information

International lists

- : **Australia inventory (AIIIC):** Not determined.
- China inventory (IECSC):** Not determined.
- Japan inventory (CSCL):** Not determined.
- Japan inventory (ISHL):** Not determined.
- Korea inventory (KECI):** Not determined.
- New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- Philippines inventory (PICCS):** Not determined.
- Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- Thailand inventory:** Not determined.
- Turkey inventory:** Not determined.
- Vietnam inventory:** Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of printing : 6/17/2023

Date of issue/Date of revision : 6/17/2023

Date of previous issue : 4/6/2023

Version : 2.05

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

B65W721

Section 1. Identification

Product name : Pro Industrial™ Waterbased Acrolon™ 100 HS Waterbased Urethane (Part A)
Extra White / Tint Base

Product code : B65W721

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION - Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

Precautionary statements

Section 2. Hazards identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid breathing vapor. Contaminated work clothing must not be allowed out of the workplace.
- Response** : IF exposed or concerned: Get medical advice or attention. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.
Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Bis(pentamethyl-4-piperidyl)sebacate	≤1	41556-26-7
UV Light Absorber	≤0.3	104810-48-2
Benzotriazole Hydroxyphenyl Polymer	≤0.3	104810-47-1
Methyl pentamethylpiperidyl sebacate	≤0.3	82919-37-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations
Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles
Bis(pentamethyl-4-piperidyl)sebacate	41556-26-7	None.
UV Light Absorber	104810-48-2	None.
Benzotriazole Hydroxyphenyl Polymer	104810-47-1	None.
Methyl pentamethylpiperidyl sebacate	82919-37-7	None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
2-Butoxyethanol	111-76-2	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 97 mg/m ³ 8 hours. 8 hrs OEL: 20 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). TWA EV: 20 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 30 ppm 15 minutes. TWA: 20 ppm 8 hours.

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : 7

Melting point/freezing point : Not available.

Boiling point, initial boiling point, and boiling range : 100°C (212°F)

Flash point : Closed cup: 94°C (201.2°F) [Pensky-Martens Closed Cup]

Evaporation rate : 0.09 (butyl acetate = 1)

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Section 9. Physical and chemical properties

Vapor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.16

Solubility(ies) :

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): >20.5 mm²/s (>20.5 cSt)

Molecular weight : Not applicable.

Aerosol product

Heat of combustion : 0.989 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Section 11. Toxicological information

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
 - irritation
 - redness
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
 - reduced fetal weight
 - increase in fetal deaths
 - skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.

Section 11. Toxicological information

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

TSCA 5(a)2 proposed significant new use rules: 2-Methyl-4-isothiazolin-3-one; reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

Section 15. Regulatory information

International lists

- : **Australia inventory (AIIIC):** Not determined.
- China inventory (IECSC):** Not determined.
- Japan inventory (CSCL):** Not determined.
- Japan inventory (ISHL):** Not determined.
- Korea inventory (KECI):** Not determined.
- New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- Philippines inventory (PICCS):** Not determined.
- Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- Thailand inventory:** Not determined.
- Turkey inventory:** Not determined.
- Vietnam inventory:** Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method

History

Date of printing : 6/10/2023

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Version : 17.03

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- N/A = Not available
- SGG = Segregation Group
- UN = United Nations

📌 Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

END OF ADDENDUM NO. 2