WEATHERSKIN COATINGS

PRODUCT DATA SHEET

COATINGS, SEALANTS & ADHESIVES

WEATHERSKIN: TANK LINER

GREEN NOVOLAC MODIFIED DTM 2K EPOXY

General Description

WS: Tank Liner is a two part 1:1 one coat high build Novolac Modified Epoxy with low VOC ultra-low HAPS, with excellent adhesion designed for direct-to-metal (DTM) applications where excellent corrosion, chemical, and abrasion resistance is required. It is especially suitable for metal tank liner applications requiring excellent resistance to hydrocarbons, alcohols, and petroleum products.

Mixing and Thinning Instructions

Prepare WS: Tank Liner by mixing WSTLA (Part A) 1:1 by volume with WSTLB (Part B). Be sure to agitate each component thoroughly before combining them and agitate the mixture. No reduction is necessary. If reducing or thinning is required, contact your Weatherskin representative for instructions.

Directions for Use:

Surface must be clean, dry, sound, and free of dirt, dust, grease, oils, residue, waxes, water, foreign particles, and any other contaminants that may interfere with coating adhesion and intimate contact with the substrate. Prepare the substrate by abrasive blasting to a profile of 2.0-4.0 mills per NACE SSPC SP10 Near White Metal Blast. Aluminum and galvanized steel to be treated with Weatherskin Metal Wash Primer or equivalent. Metal surface must be 5 degrees above the dew point temperature before application.

WS: Tank Liner is designed to be applied with airless spray @ 3000-4000 PSI using 0.017-0.030 tips. Pot life is 2 hours @ 75°F and is significantly reduced at elevated temperatures.

TYPICAL MIXED PROPERTIES

APPEARANCE:	VARIOUS
TYPE:	NOVOLAC EPOXY
VISCOSITY (25°C):	90-95(KU'S)
SPECIFIC GRAVITY (25°C):	1.05-1.15
DENSITY (25°C):	8.75-9.58 LBS/GAL
% SOLIDS (BY VOLUME):	80-85%
% SOLIDS (BY WEIGHT):	90-95%
VOC:	0.1-0.2 LBS/GAL
VOC (LESS WATER/EXEMPT):	0.6-0.8 LBS/GAL
FLASH POINT:	-17C (0F) SEMI
GLOSS:	8-12 MILS
RECOMMENDED DFT:	18 MILS
MAXIMUM DFT:	1325 FT2 @ 1.0 MIL
COVERAGE:	3-4 HRS TOUCH
DRY @ 75 DEGREES F:	6-7 HRS HANDLE
	72 HRS LINER SERVICE
RECOAT WINDOW:	WITHIN 72 HRS
MIX RATIO:	1:1

Typical properties given do not constitute a supply specification.

Packaging/Storage

Weatherskin: Tank Liner is available in 2-gallon kits, 10-gallon kits and 55-gallon steel drums.

Store indoors in original, tightly sealed container out of direct sunlight between 40°F (5°C) and 100°F (38°C), 0% to 90% relative humidity. Warranted shelf life is 1 year from date of manufacture (DOM) in original unopened and properly stored container.

Packaging/Storage

Before
handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

Avoid contact with skin and use good ventilation. Wear chemically resistant gloves (nitrile are recommended) and chemical safety glasses. If skin contact is made, wash immediately with soap and water. Do not use solvents to clean skin

WEATHERSKIN COATINGS

PERFORMANCE DATA

WEATHERSKIN: TANK LINER

GREEN LINER NOVOLAC MODIFIED DTM 2K EPOXY

PHYSICAL PERFORMANCE PROPERTIES

TEST	TEST METHOD	RESULT
Adhesion	ASTM D3359	5A
Pencil Hardness	ASTM D3363	4H-5H
Abrasion Resistance	ASTM D4060	5000 cycles, 150 mg loss
Bend - Flexibility	ASTM D522	Passes 1.5-inch radius bend
Impact	ASTM D2794	50 in/# Direct
Salt Fog	ASTM B117	3000 hours
Humidity	ASTM 4585	3000 hours
Heat Resistance	NACE SPO302	Dry Continuous 400F Dry Intermittent 500F Immersed Continuous 140F Immersed Intermittent 200F

CHEMICAL IMMERSION RESISTANCE: 12 MONTHS @ 140F

5% Salt Solution	Excellent
Ethanol & Methanol	Excellent
Ethylene & Propylene Glycol	Excellent
Mineral Spirits & Naphtha	Excellent
Gasoline, Diesel & Kerosene	Excellent
Crude, Mineral & Motor Oil	Excellent
Turpentine	Excellent

Application Equipment
Airless Spray & Plural Component

Tip
.017 to .021

Pump Pressure
3000-4000 PSI

Dry
Touch 3-4 Hours ASTM D1640 @75 F/Air Dry
Handle 6-7 Hours ASTMD1640 @75 F/Air Dry
Force Cured
- ½ hour ambient air,
- 200 F-250 F air temperature for 2 hrs,
- 1/2 hr. cool down (total 3hrs.)

Recoat
Up to 72 hrs. after Air Dry or Force Cured as outlined.

In Service as a liner
50 F 7 Days,
75 F 4 Days,
90 F 3 days,
Force Cure 24 hours

Weatherskin Corporation ®, 1120 44th Ave SE, Calgary, AB T2G 4W6
Email: team@weatherskin.com

WEATHERSKIN
COATINGS

Disclaimer

This information is disclosed without warranty, representation, inducement, or license of any kind and is believed to be as accurate according to Weatherskin Corporation's knowledge and other primary sources. Weatherskin Corporation does not assume any legal responsibility for use of reliance on same. Customers are encouraged to conduct their own tests.

Warranty Disclaimer

We guarantee our Products adhere to the specifications of Weatherskin Coatings. Weatherskin Coatings makes no warranty or guarantee, expressed or implied, including warranties of fitness for a particular purpose or merchantability, respecting its Products. Liability, if any, is limited to refund or purchase price or replacement of the Product. All consequential damages, labor and cost of labor are hereby excluded.

WEATHERSKIN SPRAYABLE LINER

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Trade name	**Weatherskin Sprayable Liner**
Chemical name	**Sprayable Liner**

1.2 Recommended use of the product and restrictions on use

Product Use Recommended For	Industrial Protective Coating Not Residential Use

1.3 Details of the supplier of the safety data sheet

North America	Weatehrskin Corporation. 4209 Brandon Street SE, Calgary, AB, Canada, T2G 4A7
Telephone	(877) 693-9224
SDS Issuer	B.Carbol
Website	www.weatherskin.com

1.4 Emergency telephone number

In case of emergency call CANUTEC	(800) 424-9300 - United States (613)992-4624 - Canada

2. HAZARD IDENTIFICATION

2.1 Classification of the product

Flammable Liquid	Category 2
Skin Irritant	Category 2
Skin Sensitizer	Category 1
Eye Irritant	Category 2A
STOT SE (Respiratory)	Category 3
STOT SE (CNS)	Category 3
Carcinogen	Category 1A
STOT RE (Lungs)	Category 1

2.1 GHS Label Elements

Hazard Pictograms

Signal word: Danger

Hazard statement:
H 225 - Highly flammable liquid and vapor.
H 315 - Causes skin irritation.
H 317 - May cause an allergic skin reaction.
H 319 - Causes serious eye irritation.
H 335 - May cause respiratory irritation.
H 336 - May cause drowsiness or dizziness.
H 350 - May cause cancer.
H 372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements - Prevention:
P 201 - Obtain special instructions before use.
P 202 - Do not handle until all safety precautions have been read and understood.
P 210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking.

- Prevention	P 233 - Keep container tightly closed. P 240 - Ground/bond container and receiving equipment. P 241 - Use explosion-proof electrical/ventilating/lighting equipment. P 242 - Use only non-sparking tools. P 243 - Take precautionary measures against static discharge. P 260 - Do not breathe dust/fume/gas/mist/vapors/spray. P 264 - Wash hands thoroughly after handling. P 270 - Do not eat, drink or smoke when using this product. P 271 - Use only outdoors or in a well ventilated area. P 280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response	P 302 + P 352 - IF ON SKIN: Wash with plenty of soap and water. P 303 + P 361 + P 353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P 304 + P 340 + P 312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P 305 + P 351 + P 338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P 308 + P 313 - If exposed or concerned: Get medial advice/attention. P 333 + P 313 - If skin irritation or rash occurs: Get medical advice/attention. P 362 - Take off contaminated clothing and wash before reuse. P 370 + P 378 - In case of fire: Use water spray, carbon dioxide (CO2), dry powder or dry chemical foam for extinction.
- Storage	P 403 + P 233 - Store in a well ventilated place. Keep c ontainer tightly closed. P 403 + P 235 - Store in a well ventilated place. Keep cool. P 405 - Store locked up.

- Disposal	P 501 - Dispose of container in accordance with all local, jurisdictional, national and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S.#	PERCENT BY WEIGHT
Epoxy phenol novolac resin	28064-14-4	20-30
4,4'-Isopropylidenediphenol-epichlorohydrin copolymer	25068-38-6	10-20
Crystalline silica	14808-60-7	10-20
Titanium dioxide	13463-67-7	10-20
Polyglycidyl ether of propoxylated glycerin	37237-76-6	5-10
Acetone	67-64-1	5-10

4. FIRST AID MEASURES

4.1 Description of first aid measures

SKIN CONTACT	Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected area using mild soap.
EYE CONTACT	Flush the eye and under the lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.
INHALATION	Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.
INGESTION	If appreciable quantities are swallowed, seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Flashpoint	5°F (-15°C)
Flammable/Explosive Limits (Volume % In Air)	Not established
Extinguishing Method	Water spray, dry powder, carbon dioxide (CO2) or dry chemical foam. Do not use a solid water stream as it may scatter and spread fire.
Auto-ignition Temperature	Not established
Advice For Firefighters	Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in confined or low areas. Vapors may travel to source of ignition and flash back. As in any fire wear a self-contained breathing apparatus and full protective gear. Do not enter a fire area without proper protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection. Absorb with inert materials such as dry clay or sand and place in a closed container for disposal as solid waste in accordance with applicable regulations.

Environmental Precautions:	Do not empty into drains. Do not discharge into drains/surface water/groundwater.

7. HANDLING AND STORAGE

Handling

Keep away from open flames, sources of ignition and hot surfaces. Avoid conditions that could lead to static discharge. Ground all metal parts/containers. Avoid any unnecessary contact. Do not breathe vapors or spray mist. Use protective clothing specified in Section 8.

Storage

Store away from heat and sunlight to prevent polymerization. Keep away from open flames, ignition sources and hot surfaces. Polymerization initiators include peroxides, strong oxidizers, untreated aluminum, copper, copper alloys, carbon steel, iron, rust and strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand Protection:

Use nitrile, butyl, neoprene or other gloves that are resistant to chemicals in section 3. Replace immediately if punctured, torn or when a change of appearance (color, elasticity, shape) occurs. RadTech recommends a minimum of 0.45mm thick, nitrile gloves for a long duration exposure (up to 4 hours on most UV/EB curing acrylates) or mechanical handling activities. Single use, disposable nitrile gloves are recommended by RadTech for short duration exposures not exceeding 30 minutes, in situations where only splashes are likely.

Eye Protection

Use splash-proof safety goggles, safety glasses or face shields that are ANSI approved to prevent ete contact. Eye wash availability is also recommended.

Skin Protection

Protective or disposable outer clothing is recommended. Protective clothing must be cleaned thoroughly after each use.

Respiratory Protection

Use local exhaust to control vapors and mists. Use of a NIOSH approved respirator for organic vapors is recommended, when TLV is exceeded.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	133°F (56°C)
Flash Point	5°F (-15°C)
Specific Gravity	1.05-1.15
Vapor Pressure	N/A
Solubility in Water	Insoluble
VOC	TBD
Appearance	Light Green
pH	N/A
Freezing Point	N/A
Density	8.75-9.58 lbs/gal
VOC Less Water & Exempt	TBD
Evaporating Rate	N/A
Physical State	Liquid
Odor	Ketone

10. STABILITY AND REACTIVITY

Stability	This material is stable under recommended storage and handling conditions. Refer to section 7.
Conditions to avoid	Excessive heat, ignition sources, exposure to sunlight and contamination with dirt and other foreign materials.
Substances to be avoided	Polymerization initiators, including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.
Incompatibility	No data available.
	Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic fragments which are flammable, irritating or toxic.
Hazardous decomposition products	Under certain conditions (excess temperatures and contamination) hazardous polymerization may occur. Avoid high temperature and contamination with foreign materials.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity		**Not Determined**
LD50		Not Determined
LC50		Not Determined
Reproductive Toxicity		Not Determined
Teratogenicity		Not Determined
Mutagenicity		Not Determined
Carcinogenicity	IARC?	No
	NTP?	No
	OSHA?	No

Component Toxicity

Data from available scientific literature on the components of these materials which have been identified as hazardous chemicals under the criteria of the OSHA Hazard Communications Standard (29 CFR 1910.1200) or the Canadian Hazardous Act are discussed below:

Acute Oral Toxicity	Not Determined
Acute Inhalation Toxicity	Not Determined
Acute Dermal Toxicity	Not Determined
Skin Corrosion/Irritation	Causes skin irritation. May cause an allergic skin reaction.
Eye Damage/Eye Irritation	Causes serious eye irritation.
Respiratory or Skin Sensitization	May cause irritation of respiratory tract.
Target Organ - Repeat Exposure	Crystalline silica (Category 1, Lungs)
Target Organ - Single Exposure	Acetone (Category 3, CNS); 4,4'-Isopropylidenediphenol-epichlorohydrin copolymer (Category 3, Respiratory)

12. ECOLOGICAL INFORMATION

GENERAL NOTES: Avoid release to the environment (drains, sewers, soil, etc).

Component Ecotoixicity

Acetone	LC50 - Oncorhynchus mykiss (rainbow trout) - 5,540 mg/l - 96 h
Acetone	LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 h

13. DISPOSAL CONSIDERATIONS

Dispose of this product in accordance with local regulations. This includes empty containers with any residual material.

14. TRANSPORTATION INFORMATION

Disclaimer: Any given paint product can be shipped in different size containers, ranging from a pint can to bulk tanks. The shipping regulations in the United States vary depending on container size. The Basic Description given below are for shipments in fully regulated non-bulk containers, where the UN ID number, Proper Shipping Name, (technical names, if any), Packing Groups & Hazard Class (subsidiary risks, if any) are given. This section does not cover packaging exceptions, such as smaller quantities that can be shipped in combination packages i.e. Limited Quantities or Consumer Commodities with or without basic descriptions or shipping papers. Not covered are exceptions given for products that do not sustain combustion and are exempted from regulations under certain modes of transportation. Products containing Reportable Quantities (RQ's) of hazardous substances when shipped in bulk, but not reportable when shipped in non-bulk packaging are not covered either. All subsequent shipping of this product must be done by properly trained and certified employees under the specific competent authority's regulations.

Agency	Proper Shipping Name (Technical Name)	UN Number	Packing Group	Hazard Class
DOT	Non-Regulated Combustible	N/A	N/A	N/A
IATA	PAINT	1263	III	3
IMDG	PAINT	1263	III	3

15. REGULATORY INFORMATION

California Prop 65

WARNING! This product contains the following chemicals which are listed by the state of California as carcinogenic or a reproductive toxin: Crystalline silica (respirable).

Clear Air Act - Hazardous Air Pollutants (HAP)

This product does not contains any products listed as Hazardous Air Pollutants.

DSL (Canada)

All components of this product are currently listed on the Canadian Domestic Substance List (DSL) or the Canadian Non-Domestic Substance List (NDSL).

Food and Drug Administration (FDA) Food Packaging Status

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

SARA Title III Section 302 - Extremely Hazardous Substance (EHS)

This product is not regulated as an EHS.

SARA Title III Section 304 - CERCLA

This product is not regulated for emergency release notification.

SARA Title III Section 311/312 - Hazard Communication Standard (HCS)

Some components of this product are classified under SARA Title III 311/312 as a fire hazard, an immediate (acute) health hazard and a delayed (chronic) health hazard.

SARA Title III Section 313 - Toxic Chemical List (TCL)

The following products are reportable under SARA 313: None.

Toxic Substances Control Act (TSCA) Section 5(e)

This product is not regulated under the Consent Order/Significant New Use Rule.

Toxic Substances Control Act (TSCA) Section 8(b) - Inventory Status

All chemicals in this product are TSCA listed or excluded from listing, on the US EPA TSCA inventory.

Workplace Hazardous Materials Information System (WHMIS)

In compliance with WHMIS inventory requirements for commercial purposes.

16. OTHER INFORMATION

Disclaimer: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Weatherskin Corporation as to the effects of such uses nor does Weatherskin Corporation assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.

WEATHERSKIN SPRAYABLE LINER: HARDENER
SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Trade name	**Weatherskin Sprayable Liner: Hardener**
Chemical name	**Sprayable Liner: Hardener**

1.2 Recommended use of the product and restrictions on use

Product Use	Epoxy Catalyst / Curing Agent Not
Recommended For	Residential Use

1.3 Details of the supplier of the safety data sheet

North America	Weatehrskin Corporation. 4209 Brandon Street SE, Calgary, AB, Canada, T2G 4A7
Telephone	(877) 693-9224
SDS Issuer	B.Carbol
Website	www.weatherskin.com

1.4 Emergency telephone number

In case of emergency call CANUTEC	(800) 424-9300 - United States (613)992-4624 - Canada

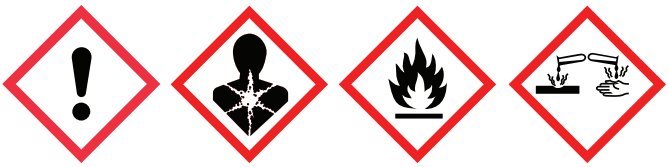
2. HAZARD IDENTIFICATION

2.1 Classification of the product

Flammable Liquid	Category 3
Acute Toxicity Oral	Category 4
Acute Toxicity Dermal	Category 4
Skin Corrosion	Category 1B
Skin Sensitisation	Category 1
Eye Damage	Category 1
STOT SE	Category 3 Narcotic Effects (Inhalation: CNS)
Carcinogen	Category 1A
Reproductive Toxicity	Category 1B
STOT SE	Category 2 Organ Damage (Skin, Eyes)
STOT RE	Category 1 Organ Damage (Lungs)
STOT RE	Category 2 Organ Damage (Brain, Spleen, Liver)
Aquatic Chronic	Category 3

2.1 GHS Label Elements

Hazard Pictograms



Signal word: Danger

Hazard statement:

H 226 - Flammable liquid and vapor.
H 302 - Harmful if swallowed.
H 312 - Harmful in contact with skin.
H 314 - Causes severe skin burns and eye damage.
H 317 - May cause an allergic skin reaction.
H 318 - Causes serious eye damage.
H 336 - May cause drowsiness or dizziness.
H 350 - May cause cancer.
H 360D - May damage the unborn child.
H 371 - May cause damage to organs.
H 372 - Causes damage to organs through prolonged or repeated exposure.

	H 373 - Causes damage to organs through prolonged or repeated exposure. H 412 - Harmful to aquatic life with long lasting effects.
Precautionary Statements - Prevention	P 201 - Obtain special instructions before use. P 202 - Do not handle until all safety precautions have been read and understood. P 210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking. P 233 - Keep container tightly closed. P 240 - Ground/bond container and receiving equipment. P 241 - Use explosion-proof electrical/ventilating /lighting equipment. P 242 - Use only non-sparking tools. P 243 - Take precautionary measures against static discharge. P 260 - Do not breathe dust/fume/gas/mist/vapors /spray. P 264 - Wash hands thoroughly after handling. P 270 - Do not eat, drink or smoke when using this product. P 271 - Use only outdoors or in a well ventilated area. P 273 - Avoid release to the environment. P 280 - Wear protective gloves/protective clothing/eye protection/face protection. P 285 - In case of inadequate ventilation wear respiratory protection.
- Response	P 301 + P 310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P 301 + P 330 + P 331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P 302 + P 352 - IF ON SKIN: Wash with plenty of soap and water. P 303 + P 361 + P 353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

	P 304 + P 341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P 305 + P 351 + P 338 + P 310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. P 314 - Get medical advice/attention if you feel unwell. P 331 - Do NOT induce vomiting. P 333 + P 313 - If skin irritation or rash occurs: Get medical advice/attention. P 362 - Take off contaminated clothing and wash before reuse. P 370 + P 378 - In case of fire: Use water spray, carbon dioxide (CO2), dry powder or dry chemical foam for extinction.
- Storage	P 403 + P 233 - Store in a well ventilated place. Keep container tightly closed. P 403 + P 235 - Store in a well ventilated place. Keep cool. P 405 - Store locked up.
- Disposal	P 501 - Dispose of container in accordance with all local, jurisdictional, national and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S.#	PERCENT BY WEIGHT
Crystalline silica	14808-60-7	40-50
Parachlorobenzotrifluoride	98-56-6	15-25
Benzyl alcohol	100-51-6	1-5
1,2-diaminocyclohexane	694-83-7	1-5
Phenol, 2,4,6-Tris((dimethylamino)methyl)-	90-72-2	1-5

4. FIRST AID MEASURES

4.1 Description of first aid measures

SKIN CONTACT	Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected area using mild soap.
EYE CONTACT	Flush the eye and under the lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.
INHALATION	Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.
INGESTION	If appreciable quantities are swallowed, seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Flashpoint	109°F (43°C)
Flammable/Explosive Limits (Volume % In Air)	Not established
Extinguishing Method	Water spray, dry powder, carbon dioxide (CO2) or dry chemical foam. Do not use a solid water stream as it may scatter and spread fire.
Auto-ignition Temperature	Not established
Advice For Firefighters	Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in confined or low areas. Vapors may travel to source of ignition and flash back. As in any fire wear a self-contained breathing apparatus and full protective gear. Do not enter a fire area without proper protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection. Absorb with inert materials such as dry clay or sand and place in a closed container for disposal as solid waste in accordance with applicable regulations.

Environmental Precautions:	Do not empty into drains. Do not discharge into drains/surface water/groundwater.

7. HANDLING AND STORAGE

Handling

Keep away from open flames, sources of ignition and hot surfaces. Avoid conditions that could lead to static discharge. Ground all metal parts/containers. Avoid any unnecessary contact. Do not breathe vapors or spray mist. Use protective clothing specified in Section 8.

Storage

Store away from heat and sunlight to prevent polymerization. Keep away from open flames, ignition sources and hot surfaces. Polymerization initiators include peroxides, strong oxidizers, untreated aluminum, copper, copper alloys, carbon steel, iron, rust and strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand Protection:

Use nitrile, butyl, neoprene or other gloves that are resistant to chemicals in section 3. Replace immediately if punctured, torn or when a change of appearance (color, elasticity, shape) occurs. RadTech recommends a minimum of 0.45mm thick, nitrile gloves for a long duration exposure (up to 4 hours on most UV/EB curing acrylates) or mechanical handling activities. Single use, disposable nitrile gloves are recommended by RadTech for short duration exposures not exceeding 30 minutes, in situations where only splashes are likely.

Eye Protection

Use splash-proof safety goggles, safety glasses or face shields that are ANSI approved to prevent ete contact. Eye wash availability is also recommended.

Skin Protection

Protective or disposable outer clothing is recommended. Protective clothing must be cleaned thoroughly after each use.

Respiratory Protection

Use local exhaust to control vapors and mists. Use of a NIOSH approved respirator for organic vapors is recommended, when TLV is exceeded.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	282°F (139°C)
Flash Point	109°F (43°C)
Specific Gravity	1.45
Vapor Pressure	N/A

Solubility in Water	Insoluble
VOC	TBD
Appearance	Opaque Clear
pH	N/A
Freezing Point	N/A
Density	12.09
VOC Less Water & Exempt	TBD
Evaporating Rate	N/A
Physical State	Liquid
Odor	Amine

10. STABILITY AND REACTIVITY

Stability	This material is stable under recommended storage and handling conditions. Refer to section 7.
Conditions to avoid	Excessive heat, ignition sources, exposure to sunlight and contamination with dirt and other foreign materials.
Substances to be avoided	Polymerization initiators, including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.
Incompatibility	No data available.
Hazardous decomposition products	Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic fragments which are flammable, irritating or toxic.
Hazardous polymerization	Under certain conditions (excess temperatures and contamination) hazardous polymerization may occur. Avoid high temperature and contamination with foreign materials.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity		**Not Determined**
LD50		Not Determined
LC50		Not Determined
Reproductive Toxicity		Not Determined
Teratogenicity		Not Determined
Mutagenicity		Not Determined
Carcinogenicity	IARC?	No
	NTP?	No
	OSHA?	No

Component Toxicity

Data from available scientific literature on the components of these materials which have been identified as hazardous chemicals under the criteria of the OSHA Hazard Communications Standard (29 CFR 1910.1200) or the Canadian Hazardous Act are discussed below:

Acute Oral Toxicity	1,2-diaminocyclohexane - LD50 (Rat): 1170 mg/kg
Acute Inhalation Toxicity	Not Determined
Acute Dermal Toxicity	Phenol, 2,4,6-Tris((dimethylamino)methyl) - LD50 (Rat): 1280 mg/kg
Skin Corrosion/Irritation	Phenol, 2,4,6-Tris((dimethylamino)methyl) - Severe Skin Irritant - Rat
Eye Damage/Eye Irritation	1,2-diaminocyclohexane - Severely corrosive to eyes
Respiratory or Skin Sensitization	1,2-diaminocyclohexane - Causes skin sensitization (Guinea Pig)
Target Organ - Repeat Exposure	Crystalline silica (Category 1, Lungs); Phenol, 2,4,6-Tris((dimethylamino)methyl) (Category 2, Brain, Liver, Spleen)
Target Organ - Single Exposure	Phenol, 2,4,6-Tris((dimethylamino)methyl) (Category 2, Skin, Eyes)

12. ECOLOGICAL INFORMATION

GENERAL NOTES: Avoid release to the environment (drains, sewers, soil, etc).

Component Ecotoixicity

Benzyl alcohol	EC50 - Daphnia magna (water flea) - 230 mg/l - 48 h
1,2-diaminocyclohexane	EC50 - Daphnia magna (Water flea) - 19.8 mg/l - 48 h
Phenol, 2,4,6-Tris((dimethylamino	EC50 - 84 mg/l 201 Alga, Growth Inhibition Test (72 h)
Parachlorbenzotrifluoride	EC50 Zebra danio (Danio rerio) 3 mg/l, 96 hours
Parachlorbenzotrifluoride	EC50 Daphnia magna 2 mg/l, 48 hours

13. DISPOSAL CONSIDERATIONS

Dispose of this product in accourdance with local regulations. This includes empty containers with any residual material.

14. TRANSPORTATION INFORMATION

Disclaimer: Any given paint product can be shipped in different size containers, ranging from a pint can to bulk tanks. The shipping regulations in the United States vary depending on container size. The Basic Description given below are for shipments in fully regulated non-bulk containers, where the UN ID number, Proper Shipping Name, (technical names, if any), Packing Groups & Hazard Class (subsidiary risks, if any) are given. This section does not cover packaging exceptions, such as smaller quantities that can be shipped in combination packages i.e. Limited Quantities or Consumer Commodities with or without basic descriptions or shipping papers. Not covered are exceptions given for products that do not sustain combustion and are exempted from regulations under certain modes of transportation. Products containing Reportable Quantities (RQ's) of hazardous substances when shipped in bulk, but not reportable when shipped in non-bulk packaging are not covered either. All subsequent shipping of this product must be done by properly trained and certified employees under the specific competent authority's regulations.

Agency	Proper Shipping Name (Technical Name)	UN Number	Packing Group	Hazard Class
DOT	Non-Regulated Combustible	N/A	N/A	N/A
IATA	PAINT	1263	III	3
IMDG	PAINT	1263	III	3

15. REGULATORY INFORMATION

California Prop 65

WARNING! This product contains the following chemicals which are listed by the state of California as carcinogenic or a reproductive toxin: Crystalline silica (respirable).

Clear Air Act - Hazardous Air Pollutants (HAP)

This product does not contains any products listed as Hazardous Air Pollutants.

DSL (Canada)

All components of this product are currently listed on the Canadian Domestic Substance List (DSL) or the Canadian Non-Domestic Substance List (NDSL).

Food and Drug Administration (FDA) Food Packaging Status

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

SARA Title III Section 302 - Extremely Hazardous Substance (EHS)

This product is not regulated as an EHS.

SARA Title III Section 304 - CERCLA

This product is not regulated for emergency release notification.

SARA Title III Section 311/312 - Hazard Communication Standard (HCS)

Some components of this product are classified under SARA Title III 311/312 as a fire hazard, an immediate (acute) health hazard and a delayed (chronic) health hazard.

SARA Title III Section 313 - Toxic Chemical List (TCL)

The following products are reportable under SARA 313: None.

Toxic Substances Control Act (TSCA) Section 5(e)

This product is not regulated under the Consent Order/Significant New Use Rule.

Toxic Substances Control Act (TSCA) Section 8(b) - Inventory Status

All chemicals in this product are TSCA listed or excluded from listing, on the US EPA TSCA inventory.

Workplace Hazardous Materials Information System (WHMIS)

In compliance with WHMIS inventory requirements for commercial purposes.

16. OTHER INFORMATION

Disclaimer: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Weatherskin Corporation as to the effects of such uses nor does Weatherskin Corporation assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.

WEATHERSKIN SPRAYABLE LINER

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Trade name	**Weatherskin Sprayable Liner**
Chemical name	**Sprayable Liner**

1.2 Recommended use of the product and restrictions on use

Product Use	Industrial Protective Coating Not
Recommended For	Residential Use

1.3 Details of the supplier of the safety data sheet

North America	Weatehrskin Corporation. 4209 Brandon Street SE, Calgary, AB, Canada, T2G 4A7
Telephone	(877) 693-9224
SDS Issuer	B.Carbol
Website	www.weatherskin.com

1.4 Emergency telephone number

In case of emergency call CANUTEC	(800) 424-9300 - United States (613)992-4624 - Canada

2. HAZARD IDENTIFICATION

2.1 Classification of the product

Flammable Liquid	Category 2
Skin Irritant	Category 2
Skin Sensitizer	Category 1
Eye Irritant	Category 2A
STOT SE (Respiratory)	Category 3
STOT SE (CNS)	Category 3
Carcinogen	Category 1A
STOT RE (Lungs)	Category 1

2.1 GHS Label Elements

Hazard Pictograms

Signal word: Danger

Hazard statement:
- H 225 - Highly flammable liquid and vapor.
- H 315 - Causes skin irritation.
- H 317 - May cause an allergic skin reaction.
- H 319 - Causes serious eye irritation.
- H 335 - May cause respiratory irritation.
- H 336 - May cause drowsiness or dizziness.
- H 350 - May cause cancer.
- H 372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements - Prevention:
- P 201 - Obtain special instructions before use.
- P 202 - Do not handle until all safety precautions have been read and understood.
- P 210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking.

- Prevention	P 233 - Keep container tightly closed. P 240 - Ground/bond container and receiving equipment. P 241 - Use explosion-proof electrical/ventilating/lighting equipment. P 242 - Use only non-sparking tools. P 243 - Take precautionary measures against static discharge. P 260 - Do not breathe dust/fume/gas/mist/vapors/spray. P 264 - Wash hands thoroughly after handling. P 270 - Do not eat, drink or smoke when using this product. P 271 - Use only outdoors or in a well ventilated area. P 280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response	P 302 + P 352 - IF ON SKIN: Wash with plenty of soap and water. P 303 + P 361 + P 353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P 304 + P 340 + P 312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P 305 + P 351 + P 338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P 308 + P 313 - If exposed or concerned: Get medial advice/attention. P 333 + P 313 - If skin irritation or rash occurs: Get medical advice/attention. P 362 - Take off contaminated clothing and wash before reuse. P 370 + P 378 - In case of fire: Use water spray, carbon dioxide (CO2), dry powder or dry chemical foam for extinction.
- Storage	P 403 + P 233 - Store in a well ventilated place. Keep c ontainer tightly closed. P 403 + P 235 - Store in a well ventilated place. Keep cool. P 405 - Store locked up.

Weatherskin Corporation®, 4209 Brandon Street SE, Calgary, AB, Canada, T2G 4A7
Email: team@weatherskin.com

- Disposal	P 501 - Dispose of container in accordance with all local, jurisdictional, national and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S.#	PERCENT BY WEIGHT
Epoxy phenol novolac resin	28064-14-4	20-30
4,4'-Isopropylidenediphenol-epichlorohydrin copolymer	25068-38-6	10-20
Crystalline silica	14808-60-7	10-20
Titanium dioxide	13463-67-7	10-20
Polyglycidyl ether of propoxylated glycerin	37237-76-6	5-10
Acetone	67-64-1	5-10

4. FIRST AID MEASURES

4.1 Description of first aid measures

SKIN CONTACT	Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected area using mild soap.
EYE CONTACT	Flush the eye and under the lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.
INHALATION	Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.
INGESTION	If appreciable quantities are swallowed, seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Flashpoint	5°F (-15°C)
Flammable/Explosive Limits (Volume % In Air)	Not established
Extinguishing Method	Water spray, dry powder, carbon dioxide (CO2) or dry chemical foam. Do not use a solid water stream as it may scatter and spread fire.
Auto-ignition Temperature	Not established
Advice For Firefighters	Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in confined or low areas. Vapors may travel to source of ignition and flash back. As in any fire wear a self-contained breathing apparatus and full protective gear. Do not enter a fire area without proper protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection. Absorb with inert materials such as dry clay or sand and place in a closed container for disposal as solid waste in accordance with applicable regulations.

Environmental Precautions:	Do not empty into drains. Do not discharge into drains/surface water/groundwater.

7. HANDLING AND STORAGE

Handling

Keep away from open flames, sources of ignition and hot surfaces. Avoid conditions that could lead to static discharge. Ground all metal parts/containers. Avoid any unnecessary contact. Do not breathe vapors or spray mist. Use protective clothing specified in Section 8.

Storage

Store away from heat and sunlight to prevent polymerization. Keep away from open flames, ignition sources and hot surfaces. Polymerization initiators include peroxides, strong oxidizers, untreated aluminum, copper, copper alloys, carbon steel, iron, rust and strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand Protection:

Use nitrile, butyl, neoprene or other gloves that are resistant to chemicals in section 3. Replace immediately if punctured, torn or when a change of appearance (color, elasticity, shape) occurs. RadTech recommends a minimum of 0.45mm thick, nitrile gloves for a long duration exposure (up to 4 hours on most UV/EB curing acrylates) or mechanical handling activities. Single use, disposable nitrile gloves are recommended by RadTech for short duration exposures not exceeding 30 minutes, in situations where only splashes are likely.

Eye Protection

Use splash-proof safety goggles, safety glasses or face shields that are ANSI approved to prevent ete contact. Eye wash availability is also recommended.

Skin Protection

Protective or disposable outer clothing is recommended. Protective clothing must be cleaned thoroughly after each use.

Respiratory Protection

Use local exhaust to control vapors and mists. Use of a NIOSH approved respirator for organic vapors is recommended, when TLV is exceeded.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	133°F (56°C)
Flash Point	5°F (-15°C)
Specific Gravity	1.05-1.15
Vapor Pressure	N/A
Solubility in Water	Insoluble
VOC	TBD
Appearance	Light Green
pH	N/A
Freezing Point	N/A
Density	8.75-9.58 lbs/gal
VOC Less Water & Exempt	TBD
Evaporating Rate	N/A
Physical State	Liquid
Odor	Ketone

10. STABILITY AND REACTIVITY

Stability	This material is stable under recommended storage and handling conditions. Refer to section 7.
Conditions to avoid	Excessive heat, ignition sources, exposure to sunlight and contamination with dirt and other foreign materials.
Substances to be avoided	Polymerization initiators, including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.
Incompatibility	No data available.
Hazardous decomposition products	Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic fragments which are flammable, irritating or toxic. Under certain conditions (excess temperatures and contamination) hazardous polymerization may occur. Avoid high temperature and contamination with foreign materials.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity		**Not Determined**
LD50		Not Determined
LC50		Not Determined
Reproductive Toxicity		Not Determined
Teratogenicity		Not Determined
Mutagenicity		Not Determined
Carcinogenicity	IARC?	No
	NTP?	No
	OSHA?	No

Component Toxicity

Data from available scientific literature on the components of these materials which have been identified as hazardous chemicals under the criteria of the OSHA Hazard Communications Standard (29 CFR 1910.1200) or the Canadian Hazardous Act are discussed below:

Acute Oral Toxicity	Not Determined
Acute Inhalation Toxicity	Not Determined
Acute Dermal Toxicity	Not Determined
Skin Corrosion/Irritation	Causes skin irritation. May cause an allergic skin reaction.
Eye Damage/Eye Irritation	Causes serious eye irritation.
Respiratory or Skin Sensitization	May cause irritation of respiratory tract.
Target Organ - Repeat Exposure	Crystalline silica (Category 1, Lungs)
Target Organ - Single Exposure	Acetone (Category 3, CNS); 4,4'-Isopropylidenediphenol-epichlorohydrin copolymer (Category 3, Respiratory)

12. ECOLOGICAL INFORMATION

GENERAL NOTES: Avoid release to the environment (drains, sewers, soil, etc).

Component Ecotoixicity

Acetone	LC50 - Oncorhynchus mykiss (rainbow trout) - 5,540 mg/l - 96 h
Acetone	LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 h

13. DISPOSAL CONSIDERATIONS

Dispose of this product in accordance with local regulations. This includes empty containers with any residual material.

14. TRANSPORTATION INFORMATION

Disclaimer: Any given paint product can be shipped in different size containers, ranging from a pint can to bulk tanks. The shipping regulations in the United States vary depending on container size. The Basic Description given below are for shipments in fully regulated non-bulk containers, where the UN ID number, Proper Shipping Name, (technical names, if any), Packing Groups & Hazard Class (subsidiary risks, if any) are given. This section does not cover packaging exceptions, such as smaller quantities that can be shipped in combination packages i.e. Limited Quantities or Consumer Commodities with or without basic descriptions or shipping papers. Not covered are exceptions given for products that do not sustain combustion and are exempted from regulations under certain modes of transportation. Products containing Reportable Quantities (RQ's) of hazardous substances when shipped in bulk, but not reportable when shipped in non-bulk packaging are not covered either. All subsequent shipping of this product must be done by properly trained and certified employees under the specific competent authority's regulations.

Agency	Proper Shipping Name (Technical Name)	UN Number	Packing Group	Hazard Class
DOT	Non-Regulated Combustible	N/A	N/A	N/A
IATA	PAINT	1263	III	3
IMDG	PAINT	1263	III	3

15. REGULATORY INFORMATION

California Prop 65

WARNING! This product contains the following chemicals which are listed by the state of California as carcinogenic or a reproductive toxin: Crystalline silica (respirable).

Clear Air Act - Hazardous Air Pollutants (HAP)

This product does not contains any products listed as Hazardous Air Pollutants.

DSL (Canada)

All components of this product are currently listed on the Canadian Domestic Substance List (DSL) or the Canadian Non-Domestic Substance List (NDSL).

Food and Drug Administration (FDA) Food Packaging Status

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

SARA Title III Section 302 - Extremely Hazardous Substance (EHS)

This product is not regulated as an EHS.

SARA Title III Section 304 - CERCLA

This product is not regulated for emergency release notification.

SARA Title III Section 311/312 - Hazard Communication Standard (HCS)

Some components of this product are classified under SARA Title III 311/312 as a fire hazard, an immediate (acute) health hazard and a delayed (chronic) health hazard.

SARA Title III Section 313 - Toxic Chemical List (TCL)

The following products are reportable under SARA 313: None.

Toxic Substances Control Act (TSCA) Section 5(e)

This product is not regulated under the Consent Order/Significant New Use Rule.

Toxic Substances Control Act (TSCA) Section 8(b) - Inventory Status

All chemicals in this product are TSCA listed or excluded from listing, on the US EPA TSCA inventory.

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Email: team@weatherskin.com

Workplace Hazardous Materials Information System (WHMIS)

In compliance with WHMIS inventory requirements for commercial purposes.

16. OTHER INFORMATION

Disclaimer: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Weatherskin Corporation as to the effects of such uses nor does Weatherskin Corporation assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.

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WEATHERSKIN SPRAYABLE LINER: HARDENER
SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Trade name	**Weatherskin Sprayable Liner: Hardener**
Chemical name	**Sprayable Liner: Hardener**

1.2 Recommended use of the product and restrictions on use

Product Use	Epoxy Catalyst / Curing Agent Not
Recommended For	Residential Use

1.3 Details of the supplier of the safety data sheet

North America	Weatehrskin Corporation. 4209 Brandon Street SE, Calgary, AB, Canada, T2G 4A7
Telephone	(877) 693-9224
SDS Issuer	B.Carbol
Website	www.weatherskin.com

1.4 Emergency telephone number

In case of emergency call CANUTEC	(800) 424-9300 - United States (613)992-4624 - Canada

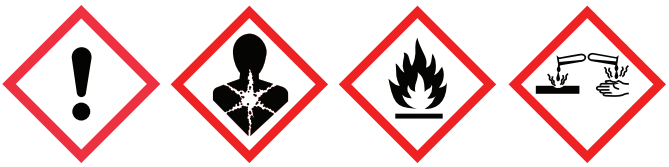
2. HAZARD IDENTIFICATION

2.1 Classification of the product

Flammable Liquid	Category 3
Acute Toxicity Oral	Category 4
Acute Toxicity Dermal	Category 4
Skin Corrosion	Category 1B
Skin Sensitisation	Category 1
Eye Damage	Category 1
STOT SE	Category 3 Narcotic Effects (Inhalation: CNS)
Carcinogen	Category 1A
Reproductive Toxicity	Category 1B
STOT SE	Category 2 Organ Damage (Skin, Eyes)
STOT RE	Category 1 Organ Damage (Lungs)
STOT RE	Category 2 Organ Damage (Brain, Spleen, Liver)
Aquatic Chronic	Category 3

2.1 GHS Label Elements

Hazard Pictograms



Signal word	Danger
Hazard statement	H 226 - Flammable liquid and vapor. H 302 - Harmful if swallowed. H 312 - Harmful in contact with skin. H 314 - Causes severe skin burns and eye damage. H 317 - May cause an allergic skin reaction. H 318 - Causes serious eye damage. H 336 - May cause drowsiness or dizziness. H 350 - May cause cancer. H 360D - May damage the unborn child. H 371 - May cause damage to organs. H 372 - Causes damage to organs through prolonged or repeated exposure.

H 373 - Causes damage to organs through prolonged or repeated exposure.
H 412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements

- Prevention

P 201 - Obtain special instructions before use.
P 202 - Do not handle until all safety precautions have been read and understood.
P 210 - Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P 233 - Keep container tightly closed.
P 240 - Ground/bond container and receiving equipment.
P 241 - Use explosion-proof electrical/ventilating /lighting equipment.
P 242 - Use only non-sparking tools.
P 243 - Take precautionary measures against static discharge.
P 260 - Do not breathe dust/fume/gas/mist/vapors /spray.
P 264 - Wash hands thoroughly after handling.
P 270 - Do not eat, drink or smoke when using this product.
P 271 - Use only outdoors or in a well ventilated area.
P 273 - Avoid release to the environment.
P 280 - Wear protective gloves/protective clothing/eye protection/face protection.
P 285 - In case of inadequate ventilation wear respiratory protection.

- Response

P 301 + P 310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P 301 + P 330 + P 331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P 302 + P 352 - IF ON SKIN: Wash with plenty of soap and water.
P 303 + P 361 + P 353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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Email: team@weatherskin.com

	P 304 + P 341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P 305 + P 351 + P 338 + P 310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. P 314 - Get medical advice/attention if you feel unwell. P 331 - Do NOT induce vomiting. P 333 + P 313 - If skin irritation or rash occurs: Get medical advice/attention. P 362 - Take off contaminated clothing and wash before reuse. P 370 + P 378 - In case of fire: Use water spray, carbon dioxide (CO2), dry powder or dry chemical foam for extinction.
- Storage	P 403 + P 233 - Store in a well ventilated place. Keep container tightly closed. P 403 + P 235 - Store in a well ventilated place. Keep cool. P 405 - Store locked up.
- Disposal	P 501 - Dispose of container in accordance with all local, jurisdictional, national and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S.#	PERCENT BY WEIGHT
Crystalline silica	14808-60-7	40-50
Parachlorobenzotrifluoride	98-56-6	15-25
Benzyl alcohol	100-51-6	1-5
1,2-diaminocyclohexane	694-83-7	1-5
Phenol, 2,4,6-Tris((dimethylamino)methyl)-	90-72-2	1-5

4. FIRST AID MEASURES

4.1 Description of first aid measures

SKIN CONTACT	Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected area using mild soap.
EYE CONTACT	Flush the eye and under the lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.
INHALATION	Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult, have qualified personnel administer oxygen and get medical attention.
INGESTION	If appreciable quantities are swallowed, seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Flashpoint	109°F (43°C)
Flammable/Explosive Limits (Volume % In Air)	Not established
Extinguishing Method	Water spray, dry powder, carbon dioxide (CO2) or dry chemical foam. Do not use a solid water stream as it may scatter and spread fire.
Auto-ignition Temperature	Not established
Advice For Firefighters	Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in confined or low areas. Vapors may travel to source of ignition and flash back. As in any fire wear a self-contained breathing apparatus and full protective gear. Do not enter a fire area without proper protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition and ventilate area. Avoid skin and eye contact. Use respiratory protection. Absorb with inert materials such as dry clay or sand and place in a closed container for disposal as solid waste in accordance with applicable regulations.

Environmental Precautions:	Do not empty into drains. Do not discharge into drains/surface water/groundwater.

7. HANDLING AND STORAGE

Handling

Keep away from open flames, sources of ignition and hot surfaces. Avoid conditions that could lead to static discharge. Ground all metal parts/containers. Avoid any unnecessary contact. Do not breathe vapors or spray mist. Use protective clothing specified in Section 8.

Storage

Store away from heat and sunlight to prevent polymerization. Keep away from open flames, ignition sources and hot surfaces. Polymerization initiators include peroxides, strong oxidizers, untreated aluminum, copper, copper alloys, carbon steel, iron, rust and strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand Protection:

Use nitrile, butyl, neoprene or other gloves that are resistant to chemicals in section 3. Replace immediately if punctured, torn or when a change of appearance (color, elasticity, shape) occurs. RadTech recommends a minimum of 0.45mm thick, nitrile gloves for a long duration exposure (up to 4 hours on most UV/EB curing acrylates) or mechanical handling activities. Single use, disposable nitrile gloves are recommended by RadTech for short duration exposures not exceeding 30 minutes, in situations where only splashes are likely.

Eye Protection

Use splash-proof safety goggles, safety glasses or face shields that are ANSI approved to prevent ete contact. Eye wash availability is also recommended.

Skin Protection

Protective or disposable outer clothing is recommended. Protective clothing must be cleaned thoroughly after each use.

Respiratory Protection

Use local exhaust to control vapors and mists. Use of a NIOSH approved respirator for organic vapors is recommended, when TLV is exceeded.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	282°F (139°C)
Flash Point	109°F (43°C)
Specific Gravity	1.45
Vapor Pressure	N/A

Solubility in Water	Insoluble
VOC	TBD
Appearance	Opaque Clear
pH	N/A
Freezing Point	N/A
Density	12.09
VOC Less Water & Exempt	TBD
Evaporating Rate	N/A
Physical State	Liquid
Odor	Amine

10. STABILITY AND REACTIVITY

Stability	This material is stable under recommended storage and handling conditions. Refer to section 7.
Conditions to avoid	Excessive heat, ignition sources, exposure to sunlight and contamination with dirt and other foreign materials.
Substances to be avoided	Polymerization initiators, including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.
Incompatibility	No data available.
Hazardous decomposition products	Thermal oxidation or pyrolysis (as in fire) may yield carbon dioxide, carbon monoxide and volatile organic fragments which are flammable, irritating or toxic.
Hazardous polymerization	Under certain conditions (excess temperatures and contamination) hazardous polymerization may occur. Avoid high temperature and contamination with foreign materials.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity		**Not Determined**
LD50		Not Determined
LC50		Not Determined
Reproductive Toxicity		Not Determined
Teratogenicity		Not Determined
Mutagenicity		Not Determined
Carcinogenicity	IARC?	No
	NTP?	No
	OSHA?	No

Component Toxicity

Data from available scientific literature on the components of these materials which have been identified as hazardous chemicals under the criteria of the OSHA Hazard Communications Standard (29 CFR 1910.1200) or the Canadian Hazardous Act are discussed below:

Acute Oral Toxicity	1,2-diaminocyclohexane - LD50 (Rat): 1170 mg/kg
Acute Inhalation Toxicity	Not Determined
Acute Dermal Toxicity	Phenol, 2,4,6-Tris((dimethylamino)methyl) - LD50 (Rat): 1280 mg/kg
Skin Corrosion/Irritation	Phenol, 2,4,6-Tris((dimethylamino)methyl) - Severe Skin Irritant - Rat
Eye Damage/Eye Irritation	1,2-diaminocyclohexane - Severely corrosive to eyes
Respiratory or Skin Sensitization	1,2-diaminocyclohexane - Causes skin sensitization (Guinea Pig)
Target Organ - Repeat Exposure	Crystalline silica (Category 1, Lungs); Phenol, 2,4,6-Tris((dimethylamino)methyl) (Category 2, Brain, Liver, Spleen)
Target Organ - Single Exposure	Phenol, 2,4,6-Tris((dimethylamino)methyl) (Category 2, Skin, Eyes)

12. ECOLOGICAL INFORMATION

GENERAL NOTES: Avoid release to the environment (drains, sewers, soil, etc).

Component Ecotoixicity

Benzyl alcohol	EC50 - Daphnia magna (water flea) - 230 mg/l - 48 h
1,2-diaminocyclohexane	EC50 - Daphnia magna (Water flea) - 19.8 mg/l - 48 h
Phenol, 2,4,6-Tris((dimethylamino	EC50 - 84 mg/l 201 Alga, Growth Inhibition Test (72 h)
Parachlorbenzotrifluoride	EC50 Zebra danio (Danio rerio) 3 mg/l, 96 hours
Parachlorbenzotrifluoride	EC50 Daphnia magna 2 mg/l, 48 hours

13. DISPOSAL CONSIDERATIONS

Dispose of this product in accourdance with local regulations. This includes empty containers with any residual material.

14. TRANSPORTATION INFORMATION

Disclaimer: Any given paint product can be shipped in different size containers, ranging from a pint can to bulk tanks. The shipping regulations in the United States vary depending on container size. The Basic Description given below are for shipments in fully regulated non-bulk containers, where the UN ID number, Proper Shipping Name, (technical names, if any), Packing Groups & Hazard Class (subsidiary risks, if any) are given. This section does not cover packaging exceptions, such as smaller quantities that can be shipped in combination packages i.e. Limited Quantities or Consumer Commodities with or without basic descriptions or shipping papers. Not covered are exceptions given for products that do not sustain combustion and are exempted from regulations under certain modes of transportation. Products containing Reportable Quantities (RQ's) of hazardous substances when shipped in bulk, but not reportable when shipped in non-bulk packaging are not covered either. All subsequent shipping of this product must be done by properly trained and certified employees under the specific competent authority's regulations.

Agency	Proper Shipping Name (Technical Name)	UN Number	Packing Group	Hazard Class
DOT	Non-Regulated Combustible	N/A	N/A	N/A
IATA	PAINT	1263	III	3
IMDG	PAINT	1263	III	3

15. REGULATORY INFORMATION

California Prop 65

WARNING! This product contains the following chemicals which are listed by the state of California as carcinogenic or a reproductive toxin: Crystalline silica (respirable).

Clear Air Act - Hazardous Air Pollutants (HAP)

This product does not contains any products listed as Hazardous Air Pollutants.

DSL (Canada)

All components of this product are currently listed on the Canadian Domestic Substance List (DSL) or the Canadian Non-Domestic Substance List (NDSL).

Food and Drug Administration (FDA) Food Packaging Status

This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

SARA Title III Section 302 - Extremely Hazardous Substance (EHS)

This product is not regulated as an EHS.

SARA Title III Section 304 - CERCLA

This product is not regulated for emergency release notification.

SARA Title III Section 311/312 - Hazard Communication Standard (HCS)

Some components of this product are classified under SARA Title III 311/312 as a fire hazard, an immediate (acute) health hazard and a delayed (chronic) health hazard.

SARA Title III Section 313 - Toxic Chemical List (TCL)

The following products are reportable under SARA 313: None.

Toxic Substances Control Act (TSCA) Section 5(e)

This product is not regulated under the Consent Order/Significant New Use Rule.

Toxic Substances Control Act (TSCA) Section 8(b) - Inventory Status

All chemicals in this product are TSCA listed or excluded from listing, on the US EPA TSCA inventory.

Workplace Hazardous Materials Information System (WHMIS)

In compliance with WHMIS inventory requirements for commercial purposes.

16. OTHER INFORMATION

Disclaimer: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Weatherskin Corporation as to the effects of such uses nor does Weatherskin Corporation assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.