

# SAFETY DATA SHEET

This SDS is Classified to the 2012 OSHA Hazard Communication Standard 29 CFR 1920.1200.

**SDS #: UBC-01-1**

**DATE PREPARED:** 2/15/2024

## SECTION 1: IDENTIFICATION

### 1.1 Identification

Product form : Mixture

Product name : IB Urethane Base Coat

### 1.2 Use

Recommended use: Protection of construction materials on flat/low-sloped and steep-sloped roofs.

Restrictions on use: For exterior use only. Do not use it indoors. Adequate ventilation recommended.

### 1.3 Supplier

IB Roof Systems, Inc.

506 E. Dallas Rd Suite 300

Grapevine, Texas 76051

Information: 800-426-1626 • [www.ibroof.com](http://www.ibroof.com)

Fax: 972-915-6802

Safety Data Sheet Competent Person: [Technical@ibroof.com](mailto:Technical@ibroof.com)

### 1.4 Emergency Telephone Number

3E Emergency Response U.S. 855-280-2834

3E Emergency Response International 760-602-8703

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS-US classification

Flammable Liquids:

Category 3 – H226

Skin corrosion/irritation:

Category 2 – H315

Serious eye damage/eye irritation:

Category 2 – H319

Respiratory Sensitization:

Category 1 – H334

Skin Sensitization:

Category 1 – H317

Carcinogenicity:

Category 2 – H351

Specific Target Organ Toxicity – Single Exposure:

Category 3 – H335 Respiratory tract irritation

Specific Target Organ Toxicity – Repeated Exposure:

Category 2 – H373

Aspiration Hazard:

Category 1 – H304

### 2.2 GHS Label elements, including precautionary statements

#### GHS US labelling

Hazard pictograms (GHS US):



Signal word (GHS US):

Danger

Hazard statements (GHS US):

H226: Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer

H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS US):

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/Bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lightning equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge

P260 Do not breathe mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves, eye protection, face protection, protective clothing.

P284 In case of inadequate ventilation, wear respiratory protection.

#### Precautionary Statements (Response):

P301+310 IF SWALLOWED: Immediately call poison center/doctor/...

P303 + P361 + P353 IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P341 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P308 + P313 IF exposed or concerned: Get medical attention.

P331 - Do NOT induce vomiting.

P333 + P313 IF skin irritation or rash occurs: Get medical attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P342 + P311 IF experiencing respiratory symptoms: Call a POISON CENTER, a doctor.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use media other than water to extinguish.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 - Dispose of contents/container to a licensed hazardous waste disposal contractor or special waste collection point, except for empty clean containers which can be disposed of non-hazardous waste.

### 2.3 Other hazards which do not result in classification

No additional information available

### 2.4 Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: COMPOSITION, INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Name	CAS No.	%*
Benzene, 1,2,4-trimethyl-	95-63-6	5-10
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	5-10
Benzene, trimethyl-	25551-13-7	5-10
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	0.1 – 1
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.5 – 1.5
Carbamic acid, 1,6-hexanediylbis-, bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] ester	59719-67-4	0.1 – 1
Cumene	98-82-8	0.1 – 1
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	82919-37-7	0.1-1
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	104810-48-2	0.1-1
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]-	104810-47-1	0.1-1
Solvent naphtha, petroleum, light aromatic	64742-95-6	10-30
Talc	14807-96-6	5 – 10
Residual isomers of methylenediphenyl diisocyanate	Mixture*	≤0.1
1,3,5-Trimethylbenzene	108-67-8	1-5
* In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.		

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

First-aid measures general:	If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation:	IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
First-aid measures after skin contact:	IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention immediately.
First-aid measures after eye contact:	IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion:	IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

### 4.2 Most important symptoms and effects (acute and delayed)

Symptoms/effects:	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
Symptoms/effects after inhalation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact:	Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact:	Causes serious eye irritation.
Symptoms/effects after ingestion:	May be fatal if swallowed and enters airways.
Chronic symptoms:	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

### 4.3 Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Dry powder. Foam. Carbon dioxide. Sand.
Unsuitable extinguishing media:	If water is used, use very large quantities of cold water. The reaction between water and hot isocyanate may be vigorous.

### 5.2 Specific hazards arising from the chemical

Fire hazard:	Flammable liquid and vapor.
Explosion hazard:	Avoid fire, sparks, static electricity, and hot surfaces. Liquid readily evaporates at room/ambient temperature. Vapors are invisible, flammable, heavier than air, and may accumulate in low areas and spread long distances. Distant ignition and flashback are possible.
Reactivity:	Reacts slowly with water.

### 5.3 Special protective equipment and precautions for fire-fighters

Firefighting instructions:	Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke, and products of combustion.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection. Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
Other information:	Avoid smoke inhalation.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment, and emergency procedures

General measures:	Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
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#### 6.1.1 For non-emergency personnel

Protective equipment:	Wear Protective equipment as described in Section 8.
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Emergency procedures:

Evacuate unnecessary personnel.

#### 6.1.2 For emergency responders

Protective equipment:

Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

#### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

#### 6.3 Methods and material for containment and cleaning up

For containment/cleaning up:

**SMALL SPILL:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. Do not flush the sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

Or, absorb spilled product using sawdust or other absorbent. Shovel or sweep into an open top container with a loosely fitted lid. Do not pressurize the container. Transport waste container to a well-ventilated area, preferably outside. If available, treat the spilled area with neutralize solution consisting a mixture of 90% water, 8% Concentrated Ammonium Hydroxide or Sodium Carbonate, and 2% liquid detergent. If solution is not available, wipe off traces of material with a rag. Do not allow spilled material into the sewer.

**LARGE SPILL:** Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Ventilate the area by natural means or by explosion-proof means (i.e., fans). Know and prepare for spill response before using or handling this product. Eliminate all ignition sources (flames, hot surfaces, portable heaters, and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g., sand, earth). Transfer liquids to covered and labeled metal containers for recovery or disposal or remove them with inert absorbent. Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

#### 6.4 Reference to other sections

See Sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Precautions for safe handling:

Do not handle until all safety precautions have been read and understood. For professional or industrial use only. Follow label instructions. Keep out of reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity, or other source of ignition. Explosion may occur causing injury or death.

#### 7.2 Conditions for safe storage, including any incompatibilities

Technical measures:

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Store in a dry, cool, and well-ventilated place. Keep container tightly closed. Store in a dry, cool, and well-ventilated place. Keep the container tightly closed.

Storage conditions:

6 Months

Storage Period:

Storage Temperature:

15.5°C (60°F); 26.7°C 80.1°F)

Heat and ignition sources:

Avoid ignition sources.

Special rules on packaging:

Keep only in original container.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control Parameters

Chemical Identity	Type	Exposure Limit Values
Benzene, 1,2,4-trimethyl- (95-63-6)	ACGIH	OELs not established
	OSHA	OELs not established
Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)	ACGIH	OELs not established
	OSHA	OELs not established
Benzene, trimethyl- (25551-13-7)	ACGIH OEL TWA [ppm]	25 ppm
	ACGIH	CNS impair; asthma; hematologic eff
	OSHA PEL TWA [1]	125 mg/m <sup>3</sup>
	OSHA PEL TWA [2]	25 ppm
Benzenesulfonyl isocyanate, 4-methyl- (4083-64-1)	ACGIH	OELs not established
	OSHA	OELs not established
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	ACGIH	OELs not established
	OSHA	OELs not established
Carbamic acid, 1,6-hexanediylbis-, bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] ester (59719-67-4)	ACGIH	OELs not established
	OSHA	OELs not established
Cumene (98-82-8)	ACGIH OEL TWA [ppm]	50 ppm
	ACGIH	Eye, skin, & URT irr; CNS impair
	OSHA PEL TWA [1]	245 mg/m <sup>3</sup>
	OSHA PEL TWA [2]	50 ppm
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidiny ester (82919-37-7)	ACGIH	OELs not established
	OSHA	OELs not established
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy- (104810-48-2)	ACGIH	OELs not established
	OSHA	OELs not established
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]- (104810-47-1)	ACGIH	OELs not established
	OSHA	OELs not established
Solvent naphtha, petroleum, light aromatic (64742-95-6)	ACGIH	OELs not established
	OSHA	OELs not established
Talc (14807-96-6)	ACGIH OEL TWA	2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction
	OSHA PEL TWA [2]	20 mppcf if 1% Quartz or more, use Quartz limit
Residual isomers of methylenediphenyl diisocyanate (Mixture)	ACGIH OEL TWA	0.005 ppm
	ACGIH	Resp sens
	OSHA PEL C	02 mg/m <sup>2</sup>
	OSHA PEL C ppm	0.02 ppm
1,3,5-Trimethylbenzene (108-67-8)	ACGIH	OELs not established
	OSHA	OELs not established

## 8.2 Appropriate engineering controls

Appropriate engineering controls:

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

## 8.3 Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):



Personal protective equipment:

Materials for protective clothing:

Hand protection:

Eye protection:

Gloves. Protective goggles. If spraying, protect yourself with wearing suitable respirator or mask. In case of inadequate ventilation wear respiratory protection.

Wear suitable protective clothing, gloves, and eye/face protection

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC, or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Wear eye protection including chemical splash goggles and a face shield when possibility exists for eye contact due to airborne particles.

Skin and body protection:  
Respiratory protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid mixture
Color:	Light gray
Odor:	Mild aromatic
Odor threshold:	No data available
pH:	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	43.3°C (110°F)
Relative evaporation rate (n-butyl acetate=1):	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	No data available
Relative vapor density at 20 °C:	> 1 (air = 1)
Relative density:	1.26
Density:	10.5 – 11.0 lb./gal
Solubility:	Reacts with water
Partition coefficient n-octanol/water (Log Pow):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	2500 - 7500 cP at 23.9°C (75°F)
Explosive limits:	0.9 – 6.5 vol %
Explosive properties:	No data available
Oxidizing properties:	No data available

### 9.2 Other information

VOC content	282 g/l (EPA Method 24 VOC) 20% volatile
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## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Reacts slowly with water.
<b>10.2 Chemical stability</b>	Stable under recommended handling and storage conditions (see section 7).
<b>10.3 Possibility of hazardous reactions</b>	Reacts with water.
<b>10.4 Conditions to avoid</b>	Heat sources.
<b>10.5 Incompatible materials</b>	Acids. Bases. Alcohols. Copper alloys. Aluminum. Water.
<b>10.6 Hazardous decomposition products</b>	Can be released in case of fire: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen cyanide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	>3160 mg/kg
<b>Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)</b>	



LD50 oral rat	13g/kg
LD50 dermal rabbit	>2 ml/kg
LC50 inhalation – rat	33 mg/l/4h
Skin corrosion/irritation:	Causes skin irritation
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Suspected of causing cancer.
<b>Benzene, trimethyl- (25551-13-7)</b>	
LD50 oral rat	8970 mg/kg
<b>Benzenesulfonyl isocyanate, 4-methyl- (4083-64-1)</b>	
LD50 oral rat	2234 mg/kg
LD50 dermal rabbit	> ml/kg640 ppm/1h
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Suspected of causing cancer
<b>Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)</b>	
LD50 oral rat	2615 mg/kg
<b>Cumene (98-82-8)</b>	
LD50 dermal rabbit	12300 µl/kg
LC50 inhalation – rat	>3577 ppm/6h
<b>Residual isomers of methylenediphenyl diisocyanate (Mixture)</b>	
LD50 oral rat	31600 mg/kg
LC50 inhalation – rat	369 mg/m <sup>3</sup> /4h
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation – rat [ppm]	3400 ppm/4h
<b>Cumene (98-82-8)</b>	
IARC group 2B –	Possibly carcinogen to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
<b>Talc (14807-96-6)</b>	
IARC group 2B –	Possibly carcinogen to humans
In OSHA Hazard Communication Carcinogen List	Yes
Reproductive toxicity:	Not classified
STOT-single exposure:	May cause respiratory irritation
STOT-repeated exposure:	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	May be fatal if swallowed and enters airways.
Viscosity, kinematic:	No data available
Symptoms/effects:	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
Symptoms/effects after inhalation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact:	Causes skin irritation. May cause an allergic skin irritation.
Symptoms/effects after eye contact:	Causes serious eye irritation.
Symptoms/effects after ingestion:	May be fatal if swallowed and enters airways.
Chronic symptoms:	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Ecology - general:	May cause long lasting harmful effects to aquatic life.
Hazardous to the aquatic environment, short term (acute):	Not classified
Hazardous to the aquatic environment, long term (chronic):	Not classified

### 12.2 Persistence and degradability

May cause long-term adverse effects in the environment.

### 12.3 Bioaccumulative potential

Contains components with the potential to bio-accumulate.

- 12.4 Mobility in soil** No additional information available
- 12.5 Other adverse effects** No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Disposal methods

- Waste treatment methods: Do not discharge public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
- Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14: TRANSPORT INFORMATION

### Department of Transportation (DOT)

In accordance with DOT

This mixture meets the requirements for 49 CFR 173.150(f)(1)(2) exemptions and the outer packages of this material would not require transportation labeling.

### Transport by sea (IMDG)

- Transport document description (IMDG): UN 1263 PAINT (Contains: Benzene, 1-chloro-4-(trifluoromethyl)- and Solvent naphtha, petroleum), 3, III
- UN-No. (IMDG): 1263
- Proper Shipping Name (IMDG): Paint
- Class (IMDG): 3 – Flammable liquids
- Packing group (IMDG): III – substances presenting low danger
- Limited quantities (IMDG): 5 L
- Air transport (IATA)**
- Transport document description (IATA): UN 1263 Paint (Contains: Benzene, 1-chloro-4-(trifluoromethyl)-and Solvent naphtha, petroleum), 3, III
- UN-No. (IATA): 1263
- Proper Shipping Name (IATA): Paint
- Class (IATA): 3 – Flammable liquids
- Packing group (IATA): III – Minor Danger

## SECTION 15: REGULATORY INFORMATION

### 15.1 US Federal regulations

IB Urethane Finish Coat	
All chemical substances in this product are listed as “Active” in the EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active Inactive) Requirements Rule” (“the Final Rule”) of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Aspiration hazard Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation Health hazard - Respiratory or skin sensitization Health hazard - Carcinogenicity Health hazard - Specific target organ toxicity (single or repeated exposure)

### 15.2 International regulations

No additional information available

### 15.3 US State regulations

**⚠ WARNING:** This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
<b>Benzene (71-43-2)</b>	X	X	X		6.4 µg/day (oral); 13 µg/day (inhalation)	24 µg/day (oral); 49 µg/day (inhalation)
<b>Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6)</b>	X					
<b>Carbon Black (1333-86-4)</b>	X					
<b>Cumene (98-82-8)</b>	X					
<b>Diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea (330-54-1)</b>	X					
<b>Ethylbenzene (100-41-4)</b>	X				54 µg/day (inhalation); 41 µg/day (oral)	
<b>Titanium dioxide (13463-67-7)</b>	X				Not available	
<b>Toluene (108-88-3)</b>		X				7000 µg/day (oral)

Component	State or local regulations
<b>Aluminum oxide (1344-28-1)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Benzene (71-43-2)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Benzene, trimethyl- (25551-13-7)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Calcium oxide (1305-78-8)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Calcium sulfate (7778-18-9)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Carbendazim (ISO); methyl benzimidazol-2-ylcarbamate (10605-21-7)</b>	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Carbon black (1333-86-4)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
<b>Cumene (98-82-8)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
<b>Dibutyltin dilaurate (77-58-7)</b>	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List
<b>Diisobutyl ketone (108-83-8)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea (330-54-1)</b>	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Ethylbenzene (100-41-4)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
<b>Limestone (1317-65-3)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
<b>Magnesium oxide (1309-48-4)</b>	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

Maleic anhydride (108-31-6)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Propanedioic acid, diethyl ester (105-53-3)	U.S. - New Jersey - Right to Know Hazardous Substance List
Silica, amorphous (7631-86-9)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
Talc (14807-96-6)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Titanium dioxide (13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Toluene (108-88-3)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Xylenes (o-, m-, p- isomers) (1330-20-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Zirconium oxide (1314-23-4)	U.S. - Massachusetts - Right To Know List
1,3,5-Trimethylbenzene (108-67-8)	U.S. - Massachusetts - Right To Know List
(2-methoxymethylethoxy)propanol (34590-94-8)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List
3-Iodo-2-propynyl butylcarbamate (55406-53-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
4-4'-Methylenediphenyl diisocyanate (101-68-8)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Massachusetts - Right To Know List

## SECTION 16: OTHER INFORMATION

Issue Date:	2/15/2024
Revision Date:	
Version #:	UBC-01-1

NFPA health record: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.

HMIS Hazard Rating: 2\*

Flammability: 2

Physical: 1



<b>Disclaimer:</b>	Notice to reader: Unless otherwise specified in section 1, IB Roof Systems products and ingredients listed herein are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection, or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives. Keep out of the reach of children.
<b>Further Information:</b>	The information and recommendations presented herein were obtained from sources which we believe are dependable, and we believe that the information is complete and accurate as of the date issued. However, NO WARRANTY OR REPRESENTATION IS EXPRESSED OR IMPLIED THAT THE INFORMATION PROVIDED HEREIN IS ACCURATE, COMPLETE OR REPRESENTATIVE. We assume no responsibility for injury to the user, buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. We also assume no responsibility for injury to the user, buyer, the buyer's employees, or any third persons, caused by abnormal use of this product, even if reasonable safety procedures are followed. Since conditions for use of this product are not under the control of the manufacturer, it is ultimately the buyer's/user's duty to determine the conditions necessary for the safe storage, use and disposal of this product. It is also the buyer's/user's responsibility to ensure its activities, including without limitation the storage, use and disposal of this product, comply with all applicable federal, state, provincial or local laws and local good practices. Legal and regulatory requirements are subject to change and may differ between various locations, so it is the buyer's/user's responsibility to review all such laws, rules, or regulations. If you have obtained this Safety Data Sheet from any source other than IB Roof Systems or if you are not sure that the Safety Data Sheet you have is current, please contact us for the most current version.