

# Safety Data Sheet

For

## Mascoat 450EN Epoxy-Part A

### Section 1-Chemical Product and Company Information

Product Name: Mascoat 450EN Epoxy Part A  
Product Code: M-450EN-Part A  
Trade Name: 450EN Epoxy

#### Other Means of Identification

##### **Other Information:**

This Safety Data Sheet complies with the requirements of the OSHA Hazard Communication Standard 2012 Final Rule. This product is intended for use by properly trained and qualified professionals after having familiarized themselves with this SDS and understand all hazards to themselves and the environment through a comprehensive training program according to the Hazard Communication Standard 29 CFR 1910.1200, and the Occupational Safety and Health adoption of the Global Harmonization Standard (GHS). Use of this product may present additional hazards, and no guarantee is implied that the hazards and necessary precautions listed in this document are the only ones present. Customers using this product are responsible for determining proper personal protection equipment according to the specific conditions, PPE listed are a minimum standard. This product is not intended for general public use.

#### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use:** Under insulating coatings or conventional insulation for CUI protection in heavy industrial environments.

**Not Recommended For:** Unintended uses per technical data sheet

**Uses Advised Against** Restricted to professional users

#### **Manufactured for:**

Mascoat  
4310 Campbell Road  
Houston, TX 77041  
USA

**Information Telephone:** 713-465-0304

**Emergency Telephone: 24 Hour Emergency Phone Number** Chemtrec 1-800-424-9300 (chemical emergency of spill, leak, fire, exposure, or accident) International: (703) 527-3887, call collect

### Section 2-Hazards Identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Carcinogenicity	Category 2
Flammable liquids	Category 2

#### Label elements

**Danger**

**Hazard statements**

Causes skin irritation Causes serious eye irritation



**Appearance** Paint

**Physical state** liquid

**Odor** Aromatic

**Precautionary Statements**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection Wash face, hands, and any exposed skin thoroughly after handling  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating / lighting/ non-sparking/ equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed: Call a POISON CENTER or doctor/physician  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention  
If skin irritation or rash occurs: Get medical advice/attention  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower Wash contaminated clothing before reuse  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Toxic to aquatic life with long lasting effects Harmful to aquatic life

**Unknown acute toxicity**

40 % of the mixture consists of ingredient(s) of unknown toxicity

## Section 3- Composition and Information on Ingredients

### Mixture

Chemical Name	CAS No.	Weight•
reaction product: bisphenol-A-(epichlorohydrin)	25068-38-6	41
aluminum powder (pyrophoric)	7429-90-5	9.54
xylene	1330-20-7	6.29
calumet 420-460	64742-47-8	2.4
ethylbenzene	100-41-4	1.08

## Section 4-First Aid Measures

### Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. Call 911 or emergency medical service. Immediately call a POISON CENTER or doctor/physician. Use first aid treatment according to the nature of the injury.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur. Administer oxygen if breathing is difficult. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician. Unconscious persons should be moved to an uncontaminated area and as necessary, given artificial resuscitation and supplemental oxygen.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Get medical attention if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Remove material from skin immediately. Wash off immediately with soap and plenty of water for at least 15 minutes. Do not use solvents or thinners to dissolve the material. Take off contaminated clothing and wash before reuse. Get medical attention immediately if symptoms occur. Allergic symptoms may be delayed.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes, or clothing. Wear personal protective clothing (see section 8).

### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Itching. Rashes. Hives. Burning sensation. Symptoms may include headache, dizziness, thirst, cramping, coughing, and nausea. These symptoms may be delayed. Repeated or prolonged exposure may cause kidney, liver, neurological, central nervous system, eye and skin disorders. See Section 11 for additional Toxicological Information. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Vapors may cause drowsiness and dizziness.
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### Indication of any immediate medical attention and special treatment needed

**Note to physicians**

May cause sensitization in susceptible persons. Treat symptomatically. Effects of exposure (inhalation, ingestion, or skin contact) to substance may be delayed

## Section 5-Fire Fighting Measures

**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam. Dry chemical, CO<sub>2</sub>, alcohol-resistant foam, or water spray. Use water spray or fog; do not use straight streams. Dry sand. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be ineffective.

**Specific hazards arising from the chemical**

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact. May be ignited by heat, sparks, or flames. Vapors may form explosive mixture with air. Vapors may travel to source of ignition and flash back. In the event of fire and/or explosion do not breathe fumes. Containers may explode when heated. Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire may produce irritating, corrosive and/or toxic gases.

**Hazardous combustion products**

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Hydrocarbons. Nitrogen oxides (NO<sub>x</sub>).

**Explosion data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes

**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use only non-sparking tools.

## Section 6-Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures****Personal precautions**

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Wear protective gloves/protective clothing and eye/face protection.

**Other Information**

Ventilate the area. Refer to protective measures listed in Sections 7 and 8. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**Environmental precautions****Environmental precautions**

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information. Dispose of this material and its container to hazardous or special waste collection point. Prevent entry into waterways, sewers, basements, or confined areas.

**Methods and material for containment and cleaning up****Methods for containment**

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff

water. Keep out of drains, sewers, ditches, and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dike to collect large liquid spills.

**Methods for cleaning up**

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Place in appropriate chemical waste container. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Use personal protective equipment as required.

**Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections**

See section 8 for more information. See section 13 for more information.

**Section 7-Handling and Storage**

**Advice on safe handling**

Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire, or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink, or smoke when using this product. Take off contaminated clothing and wash before reuse. Ensure adequate ventilation. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not ingest. If swallowed, then seek immediate medical assistance. Ground and bond all lines and equipment associated with product system. All equipment should be non-sparking and explosion proof. Remove all sources of ignition. Remove contaminated clothing and shoes.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Keep/store only in original container. Keep away from open flames, hot surfaces, and sources of ignition.

**Section 8-Exposure Controls / Personal Protection**

**Control parameters**

**Exposure Limits**

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mica 12001-26-2	TWA: 3 mg/m <sup>3</sup> respirable fraction	(vacated) TWA: 3 mg/m <sup>3</sup> respirable dust <1% Crystalline silica TWA: 20 mppcf <1% Crystalline	IDLH: 1500 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> containing <1% Quartz respirable dust

		silica	
titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>
acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
2-Butanone 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m <sup>3</sup> (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m <sup>3</sup>	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m <sup>3</sup> STEL: 300 ppm STEL: 885 mg/m <sup>3</sup>
xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-

#### Other Information

This product may also contain pigments that are otherwise non-hazardous according to the US GHS: REFER TO ACGIH TLV NUISANCE PARTICULATE GUIDANCE OF 10mg/m<sup>3</sup>, 3 mg/m<sup>3</sup> respirable fraction; OSHA PEL 15mg/m<sup>3</sup> total dust, 5mg/m<sup>3</sup> respirable fraction.

#### Appropriate engineering controls Engineering

##### controls

Showers  
Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Tight sealing safety goggles.

##### Hand Protection

Wear suitable gloves. Impervious gloves. Wear nitrile or natural rubber gloves to protect hands from contact. Butyl gloves are best for prolonged contact.

##### Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots. Impervious clothing such as Tyvek(R) coveralls for light protection or Saranex(R) 23-P for moderate protection.

##### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. Adequate ventilation should be used as the first measure to ensure airborne thresholds listed in section 8 of this SDS are not exceeded. If respirators are used, they should be used in accordance with the Hazard Communication Standard.

##### General hygiene considerations

Do not eat, drink, or smoke when using this product. Contaminated work clothing should not

be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

## Section 9-Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical state	liquid
Appearance	Paint
Odor	Aromatic
Color	white
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	136 °C / 277 °F	None known
Flash point	-10 °C / 14 °F	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available	
Oxidizing properties	No information available	
<b><u>Other Information</u></b>		
Softening point	No information available	
Molecular weight	No information available	
Specific gravity	1.52	
Non-Volatile (%)	88 %	
VOC Content (g/l)	100	
Density	12.64 lbs./gal	
Bulk density	No information available	

## Section 10-Stability and Reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerization	None under normal processing.
Conditions to avoid	Heat, flames, and sparks.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products** Carbon oxides. Nitrogen oxides (NOx). Thermal decomposition can lead to release of irritating and toxic gases and vapors.

# Section 11-Toxicological Information

**Information on likely routes of exposure**

**Product Information**

- Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
- Eye contact** Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
- Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
- Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Acute toxicity - Oral	Oral LD50	Acute toxicity - Dermal	LD50/dermal/rat - mg/kg
reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight = 700) 25068-38-6		= 11400 mg/kg (Rat)		
titanium dioxide 13463-67-7		> 10000 mg/kg (Rat)		
bisphenol F-epoxy resin 9003-36-5		> 2 g/kg (Rat)		> 400 mg/kg (Rat)
acetone 67-64-1		= 5800 mg/kg (Rat)		
2-Butanone 78-93-3		= 2483 mg/kg (Rat) = 2737 mg/kg (Rat)		= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)
xylene 1330-20-7		= 3500 mg/kg (Rat)	Category 4	> 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit)

Chemical Name	Physical state	Acute toxicity - Inhalation (Dusts/Mists)	Acute toxicity - Inhalation (Gases)	Acute toxicity - Inhalation (Vapors)	Inhalation LC50	LC50 Inh 1-hr Vapor rat/rabbit (no units)	Inhalation LC50 - 4 hour - vapor - mg/L
titanium dioxide 13463-67-7	solid				-	-	-
acetone 67-64-1	liquid				= 50100 mg/m <sup>3</sup> ( Rat ) 8 h	-	-
2-Butanone 78-93-3	liquid				= 11700 ppm (Rat) 4 h	23400	34.5018
xylene 1330-20-7	-	Category 4			= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h	-	-

Chemical Name	Acute aquatic toxicity	M-Factor	Chronic aquatic toxicity	M-Factor
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reaction product: bisphenol-A- (epichlorohydrin) epoxy resin (number average molecular weight = 700) 25068-38-6		-	Category 2	-
bisphenol F-epoxy resin		-	Category 2	-

9003-36-5				
acetone 67-64-1		-	Not classified	-
2-Butanone 78-93-3		-	Not classified	-
xylene 1330-20-7	Category 1	-	Category 1	-

Chemical Name	Eyes	Respiratory sensitization	Skin sensitization	Mutagenicity	Mutagenic category 1
reaction product: bisphenol-A- (epichlorohydrin) epoxy resin (number average molecular weight = 700) 25068-38-6	Category 2		Category 1		
bisphenol F-epoxy resin 9003-36-5			Category 1		
acetone 67-64-1	Category 2				
2-Butanone 78-93-3	Category 2				

Chemical Name	Carcinogenicity	Carcinogenic category 1	Skin corrosion/irritation	Skin corrosion
reaction product: bisphenol-A- (epichlorohydrin) epoxy resin (number average molecular weight = 700) 25068-38-6			Category 2	
bisphenol F-epoxy resin 9003-36-5			Category 2	
xylene 1330-20-7			Category 2	

Chemical Name	NIOSH - Target Organs	STOT - single exposure	Target Organ Systemic Toxicant - Repeated exposure	Aspiration toxicity	Ozone
Mica 12001-26-2	respiratory system containing <1% quartz				
titanium dioxide 13463-67-7	respiratory system in animals: lung tumors				
acetone 67-64-1	eyes, CNS, respiratory system, skin	H336 - May cause drowsiness or dizziness Category 3			
2-Butanone 78-93-3	eyes, CNS, respiratory system, skin	H336 - May cause drowsiness or dizziness Category 3			

## Information on toxicological effects

**Symptoms** Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

## Numerical measures of toxicity

### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	6,986.00 mg/kg
ATEmix (dermal)	12,775.00 mg/kg
ATEmix (inhalation-dust/mist)	1,002.00 mg/l
ATEmix (inhalation-vapor)	345.02 mg/l

**Unknown acute toxicity** 40 % of the mixture consists of ingredient(s) of unknown toxicity

### Component Information

Chemical Name	Oral LD50	LD50/dermal/rat - mg/kg	Inhalation LC50
reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight = 700) 25068-38-6	= 11400 mg/kg (Rat)	-	-
titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
bisphenol F-epoxy resin 9003-36-5	> 2 g/kg (Rat)	> 400 mg/kg (Rat)	-
acetone 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m <sup>3</sup> (Rat) 8 h
2-Butanone 78-93-3	= 2483 mg/kg (Rat) = 2737 mg/kg (Rat)	= 5000 mg/kg (Rabbit) = 6480 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
xylene 1330-20-7	= 3500 mg/kg (Rat)	> 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. Irritating to skin. **Serious**

**eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes.

**Respiratory or skin sensitization** May cause sensitization by skin contact.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Classification based on data available for ingredients. Contains a known or suspected carcinogen.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
titanium dioxide 13463-67-7	-	Group 2B	-	X
xylene 1330-20-7	-	Group 3	-	-

### Legend

ACGIH (American Conference of Governmental Industrial Hygienists) IARC

(International Agency for Research on Cancer)

Reproductive toxicity No information available.

STOT - single exposure No information available.

**Target Organ Systemic Toxicant - Repeated exposure**

No information available.

Target organ effects Respiratory system, Eyes, Skin, Central nervous system, lungs.

Aspiration hazard No information available.

**Section 12-Ecological Information**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
acetone 67-64-1	-	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	-	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
2-Butanone 78-93-3	-	3130 - 3320: 96 h Pimephales promelas mg/L LC50 flow-through	-	520: 48 h Daphnia magna mg/L EC50 5091: 48 h Daphnia magna mg/L EC50 4025 - 6440: 48 h Daphnia magna mg/L EC50 Static
xylene 1330-20-7	-	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static	-	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50

**Persistence and degradability** No information available.

**Bioaccumulation** There is no data for this product.

**Component Information**

Chemical Name	Partition coefficient	DOT Marine Pollutant	DOT Severe Marine pollutant
acetone 67-64-1	-0.24		
2-Butanone 78-93-3	0.29		
xylene 1330-20-7	3.15		

**Other adverse effects** No information available.

## Section 13-Disposal Considerations

**Waste treatment methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**US EPA Waste Number** D001, U002 U159 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
acetone 67-64-1	-	Included in waste stream: F039	-	U002
2-Butanone 78-93-3	U159	Included in waste streams: F005, F039	200.0 mg/L regulatory level	U159
xylene 1330-20-7	-	Included in waste stream: F039	-	U239

**California Hazardous Waste Status** This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
acetone 67-64-1	Ignitable
2-Butanone 78-93-3	Toxic Ignitable
xylene 1330-20-7	Toxic Ignitable

## Section 14-Transport Information

**DOT**

**UN/ID no.** UN1263  
**Proper shipping name** PAINT  
**Hazard Class** 3  
**Packing Group** II

**Reportable Quantity (RQ)** (Xylenes (mixed isomers): RQ (kg)= 45.40)  
**Special Provisions** 149, B52, IB2, T4, TP1, TP8, TP28, 367  
**Description** UN1263, PAINT, 3, II  
**Emergency Response Guide Number** 128

**TDG**

**UN/ID no.** UN1263  
**Proper shipping name** PAINT  
**Hazard Class** 3  
**Packing Group** II  
**Description** UN1263, PAINT, 3, II

**MEX**

**UN/ID no.** UN1263  
**Proper shipping name** PAINT  
**Hazard Class** 3  
**Special Provisions** 163  
**Packing Group** II  
**Description** UN1263, PAINT, 3, II

**ICAO (air)**

**UN/ID no.** UN1263  
**Proper shipping name** PAINT  
**Hazard Class** 3  
**Packing Group** II  
**Special Provisions** A3, A72, A192  
**Description** UN1263, PAINT, 3, II

**IATA**

**UN/ID no.** UN1263  
**Hazard Class** 3  
**Packing Group** II  
**ERG Code** 3L  
**Description** UN1263, PAINT, 3, II

**IMDG**

**UN/ID no.** UN1263  
**Hazard Class** 3  
**Packing Group** II  
**EmS-No.** F-E, S-E  
**Special Provisions** 163, 367  
**Description** &UN1263, & (REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT = 700)), 3, II, (-10°C.C.), <TWRP0004>

**RID**

**UN/ID no.** UN1263  
**Proper shipping name** PAINT  
**Hazard Class** 3  
**Packing Group** II  
**Classification code** F1  
**Description** UN1263, PAINT, 3, II, Environmentally Hazardous  
**Labels** 3

**ADR**

**UN/ID no.** UN1263  
**Proper shipping name** PAINT  
**Hazard Class** 3  
**Packing Group** II  
**Classification code** F1  
**Tunnel restriction code** (D/E)

**Special Provisions** 163, 640C, 650, 367  
**Description** UN1263, PAINT, 3, II, Environmentally Hazardous  
**Labels** 3

**ADN**

**Proper shipping name** PAINT  
**Hazard Class** 3  
**Packing Group** II  
**Classification code** F1  
**Special Provisions** 163, 640C, 650, 367  
**Description** UN1263, PAINT, 3, II, Environmentally Hazardous  
**Hazard label(s)** 3  
**Limited quantity (LQ)** 5 L  
  
**Ventilation** VE01

Section 15-Regulatory Information
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**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 - Threshold Values %
xylene 1330-20-7	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

**CAA (Clean Air Act)**

The following component(s) are listed in the Clean Air Act.

Chemical Name	Hazardous air pollutants (HAPs) content
xylene 1330-20-7	Present

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
xylene 1330-20-7	100 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
acetone 67-64-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
2-Butanone 78-93-3	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
xylene 1330-20-7	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ



**WARNING!**

This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical Name	California Proposition 65
titanium dioxide - 13463-67-7	Carcinogen
ethylbenzene - 100-41-4	Carcinogen

### **U.S. State Right-to-Know Regulations**

#### **US State Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mica 12001-26-2	X	X	X
titanium dioxide 13463-67-7	X	X	X
acetone 67-64-1	X	X	X
2-Butanone 78-93-3	X	X	X
xylene 1330-20-7	X	X	X
ethylbenzene 100-41-4	X	X	X

### **U.S. EPA Label Information**

## Section 16-Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association  
(NFPA)

Health	2
Flammability	3
Physical Hazard	0
Personal Protection	X



### HMIS & NFPA Hazard Rating Legend

\* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

Date Prepared: 8 October 2020

Revision Number: 1

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. The information in the sheet was written based on the best knowledge and experience currently available.