

# SAFETY DATA SHEET



4150 Cottonwood Pigmented Moisture-Blocking Primer A-Component

## Section 1. Identification

**GHS product identifier** : 4150 Cottonwood Pigmented Moisture-Blocking Primer A-Component  
**Product code** : Not available.  
**Other means of identification** : Not available.  
**Product type** : Liquid.

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

#### Identified uses

Pigmented Moisture-Blocking Primer for Concrete Floor Coating.

**Supplier's details** : Versatile Building Products  
 245 W. Carl Karcher Way  
 Anaheim, CA 92801  
 Tel.: (714) 829-2600  
 Toll Free: (800) 535-3325  
 Email: [contactus@versatile.net](mailto:contactus@versatile.net)  
 Website: [www.versatile.net](http://www.versatile.net)

**Emergency telephone number (with hours of operation)** : InfoTrac: 1-800-535-5053  
 (8:00 a.m. – 5:00 p.m. PST)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
**Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
 SKIN SENSITIZATION - Category 1  
 TOXIC TO REPRODUCTION - Category 2  
 AQUATIC HAZARD (ACUTE) - Category 2  
 AQUATIC HAZARD (LONG-TERM) - Category 2

### GHS label elements

#### Hazard pictograms



**Signal word** : Warning

**Hazard statements** : H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H319 - Causes serious eye irritation.  
 H361 - Suspected of damaging fertility or the unborn child.  
 H411 - Toxic to aquatic life with long lasting effects.

### Precautionary statements



## Section 2. Hazards identification

- Prevention** : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves, protective clothing and eye or face protection.  
P273 - Avoid release to the environment.  
P261 - Avoid breathing vapor.  
P264 - Wash thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.
- Response** : P391 - Collect spillage.  
P308 + P313 - IF exposed or concerned: Get medical advice or attention.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P302 + P352 - IF ON SKIN: Wash with plenty of water.  
P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice or attention.
- Storage** : P405 - Store locked up.
- Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

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

| Ingredient name  | %         | CAS number |
|--|-----------|------------|
| bis-[4-(2,3-Epoxypropoxy)phenyl]propane  | ≥25 - ≤50 | 1675-54-3  |
| Titanium dioxide   | ≥25 - ≤50 | 13463-67-7 |
| Limestone  | ≥10 - ≤25 | 1317-65-3  |
| [[[(2-Ethylhexyl)oxy]methyl]oxirane  | ≥5 - ≤10  | 2461-15-6  |
| 4-Nonylphenol, Branched  | ≥1 - <2.5 | 84852-15-3 |
| Isopropyl Alcohol  | ≥1 - ≤3   | 67-63-0    |
| Reaction Product: Bisphenol-A-(Epichlorhydrin); Epoxy Resin  | ≥1 - ≤3   | 25068-38-6 |
| Aluminium hydroxide  | ≥1 - ≤3   | 21645-51-2 |
| Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids | ≤0.3      | -          |

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

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

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



## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

#### Potential acute health effects

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

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

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



## Section 4. First aid measures

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

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

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

**Specific hazards arising from the chemical** : This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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

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

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

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

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

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up





## Section 6. Accidental release measures

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

## Section 7. Handling and storage

### Precautions for safe handling

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

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

- Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 15 to 35°C (59 to 95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name   | Exposure limits   |
|---|---|
| bis-[4-(2,3-Epoxypropoxy)phenyl]propane<br>Titanium dioxide | None.<br><b>ACGIH TLV (United States, 3/2020).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.<br><b>OSHA PEL (United States, 5/2018).</b><br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust |
| Limestone   | <b>OSHA PEL (United States, 5/2018).</b><br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction<br>TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust                              |



## Section 8. Exposure controls/personal protection

[[[(2-Ethylhexyl)oxy]methyl]oxirane  
4-Nonylphenol, Branched  
Isopropyl Alcohol

Reaction Product: Bisphenol-A-(Epichlorhydrin); Epoxy Resin  
Aluminium hydroxide

Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids

**NIOSH REL (United States, 10/2016).**  
TWA: 5 mg/m<sup>3</sup> 10 hours. Form: Respirable fraction  
TWA: 10 mg/m<sup>3</sup> 10 hours. Form: Total  
None.  
None.  
**ACGIH TLV (United States, 3/2019).**  
TWA: 200 ppm 8 hours.  
STEL: 400 ppm 15 minutes.  
**NIOSH REL (United States, 10/2016).**  
TWA: 400 ppm 10 hours.  
TWA: 980 mg/m<sup>3</sup> 10 hours.  
STEL: 500 ppm 15 minutes.  
STEL: 1225 mg/m<sup>3</sup> 15 minutes.  
**OSHA PEL (United States, 5/2018).**  
TWA: 400 ppm 8 hours.  
TWA: 980 mg/m<sup>3</sup> 8 hours.  
None.  
**ACGIH TLV (United States, 3/2020).**  
TWA: 1 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction  
None.

### Appropriate engineering controls

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

### Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

#### Hygiene measures

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

#### Eye/face protection

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

#### Skin protection

##### Hand protection

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

##### Body protection

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



## Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

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

### Appearance

- Physical state** : Liquid. [Viscous. Opaque.]
- Color** : Tan.
- Odor** : Mild.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : 260°C (500°F)
- Flash point** : Closed cup: 252°C (485.6°F)
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Lower: 2%  
Upper: 12%  
(Isopropyl Alcohol)
- Vapor pressure** : 4.4 kPa (33 mm Hg)
- Relative vapor density** : Not available.
- Relative density** : 1.526
- Solubility** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** :

| Ingredient name                             | °C         | °F             | Method     |
|---|------------|----------------|------------|
| Acetaldehyde                                | 175        | 347            |            |
| 1,4-Dioxane                                 | 180        | 356            |            |
| 2-Butoxyethanol                             | 230        | 446            | DIN 51794  |
| Distillates (petroleum), hydrotreated light | >220       | >428           |            |
| Solvent naphtha (petroleum), light arom.    | 280 to 470 | 536 to 878     |            |
| 2-Methoxy-1-methylethyl acetate             | 333        | 631.4          | DIN 51794  |
| 2,6-Dimethylheptan-4-one                    | 345        | 653            |            |
| 4-Nonylphenol, Branched                     | 372        | 701.6          | ASTM E 659 |
| Octamethylcyclotetrasiloxane                | 384 to 387 | 723.2 to 728.6 | ASTM E 659 |
| n-Butyl acetate                             | 415        | 779            | EU A.15    |





## Section 9. Physical and chemical properties and safety characteristics

|                        |        |        |           |
|------------------------|--------|--------|-----------|
| Cumene                 | 424    | 795.2  |           |
| Ethylene oxide         | 429    | 804.2  |           |
| Formaldehyde           | 430    | 806    |           |
| Xylene                 | 432    | 809.6  |           |
| Ethylbenzene           | 432.22 | 810    |           |
| Propylene oxide        | 449    | 840.2  | EU A.15   |
| Ethanol                | 455    | 851    | DIN 51794 |
| Methanol               | 455    | 851    |           |
| Isopropyl Alcohol      | 456    | 852.8  |           |
| Maleic Anhydride       | 477    | 890.6  |           |
| Toluene                | 480    | 896    |           |
| Benzene                | 498    | 928.4  |           |
| 1,2,4-Trimethylbenzene | 500    | 932    |           |
| Chloromethane          | 632    | 1169.6 |           |

- Decomposition temperature** : Not available.
- Viscosity** : Dynamic: 1000 to 1500 mPa·s (1000 to 1500 cP)
- Flow time (ISO 2431)** : Not available.
- Particle characteristics**
- Median particle size** : Not applicable.

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Avoid high temperatures.
- Incompatible materials** : Reactive or incompatible with the following materials: strong bases and strong oxidizers.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.



## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                 | Result      | Species | Dose        | Exposure |
|---|-------------|---------|-------------|----------|
| bis-[4-(2,3-Epoxypropoxy)phenyl]propane | LD50 Dermal | Rabbit  | 20 g/kg     | -        |
| [[[(2-Ethylhexyl)oxy]methyl]oxirane     | LD50 Oral   | Rat     | 7800 mg/kg  | -        |
| 4-Nonylphenol, Branched                 | LD50 Oral   | Rat     | 1300 mg/kg  | -        |
| Isopropyl Alcohol                       | LD50 Dermal | Rabbit  | 12800 mg/kg | -        |
|   | LD50 Oral   | Rat     | 5000 mg/kg  | -        |

#### Irritation/Corrosion

| Product/ingredient name                                     | Result                   | Species | Score | Exposure        | Observation |
|---|--------------------------|---------|-------|-----------------|-------------|
| bis-[4-(2,3-Epoxypropoxy)phenyl]propane                     | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 2 mg   | -           |
|   | Skin - Mild irritant     | Rabbit  | -     | 500 mg          | -           |
| 4-Nonylphenol, Branched                                     | Eyes - Severe irritant   | Rabbit  | -     | 100 mg          | -           |
|   | Skin - Severe irritant   | Rabbit  | -     | 24 hours 500 mg | -           |
| Isopropyl Alcohol   | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 mg | -           |
|   | Eyes - Moderate irritant | Rabbit  | -     | 10 mg           | -           |
|   | Eyes - Severe irritant   | Rabbit  | -     | 100 mg          | -           |
|   | Skin - Mild irritant     | Rabbit  | -     | 500 mg          | -           |
| Reaction Product: Bisphenol-A-(Epichlorhydrin); Epoxy Resin | Eyes - Mild irritant     | Rabbit  | -     | 100 mg          | -           |
|   | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 µL | -           |
|   | Skin - Severe irritant   | Rabbit  | -     | 24 hours 2 mg   | -           |

#### Sensitization

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

##### Classification

| Product/ingredient name                 | OSHA | IARC | NTP |
|---|------|------|-----|
| bis-[4-(2,3-Epoxypropoxy)phenyl]propane | -    | 3    | -   |
| Titanium dioxide                        | -    | 2B   | -   |
| Isopropyl Alcohol                       | -    | 3    | -   |

#### Reproductive toxicity

There is no data available.

#### Teratogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)



## Section 11. Toxicological information

| Name              | Category   | Route of exposure | Target organs    |
|-------------------|------------|-------------------|------------------|
| Isopropyl Alcohol | Category 3 | -                 | Narcotic effects |

### Specific target organ toxicity (repeated exposure)

There is no data available.

### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

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

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
- Inhalation** : Adverse symptoms may include the following:
  - reduced fetal weight
  - increase in fetal deaths
  - skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
  - irritation
  - redness
  - reduced fetal weight
  - increase in fetal deaths
  - skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
  - reduced fetal weight
  - increase in fetal deaths
  - skeletal malformations

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

#### Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.
- Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects





## Section 11. Toxicological information

- General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : Suspected of damaging fertility or the unborn child.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name  | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| 4150 Cottonwood Pigmented Moisture-Blocking Primer A-Component | 65403.4      | N/A            | N/A                      | N/A                        | N/A                                 |
| bis-[4-(2,3-Epoxypropoxy)phenyl]propane                        | N/A          | 20000          | N/A                      | N/A                        | N/A                                 |
| [[[(2-Ethylhexyl)oxy)methyl]oxirane                            | 7800         | N/A            | N/A                      | N/A                        | N/A                                 |
| 4-Nonylphenol, Branched  | 1300         | N/A            | N/A                      | N/A                        | N/A                                 |
| Isopropyl Alcohol  | 5000         | 12800          | N/A                      | N/A                        | N/A                                 |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                     | Result                                | Species                                 | Exposure |
|---|---------------------------------------|---|----------|
| Titanium dioxide<br>4-Nonylphenol, Branched | Acute LC50 >1000000 µg/L Marine water | Fish - Fundulus heteroclitus            | 96 hours |
|   | Acute EC50 0.03 mg/L Marine water     | Algae - Skeletonema costatum            | 72 hours |
|   | Acute EC50 0.027 mg/L Marine water    | Algae - Skeletonema costatum            | 96 hours |
|   | Acute EC50 0.044 mg/L                 | Crustaceans - Moina macrocopa           | 48 hours |
|   | Acute LC50 17 µg/L Marine water       | Fish - Pleuronectes americanus - Larvae | 96 hours |
|   | Chronic EC10 0.012 mg/L Marine water  | Algae - Skeletonema costatum            | 96 hours |
| Isopropyl Alcohol                           | Chronic NOEC 5 µg/L Fresh water       | Crustaceans - Gammarus fossarum - Adult | 21 days  |
|   | Chronic NOEC 7.4 µg/L Fresh water     | Fish - Pimephales promelas - Embryo     | 33 days  |
|   | Acute EC50 7550 mg/L Fresh water      | Daphnia - Daphnia magna - Neonate       | 48 hours |
| Isopropyl Alcohol                           | Acute LC50 1400000 µg/L Marine water  | Crustaceans - Crangon crangon           | 48 hours |
|   | Acute LC50 4200 mg/L Fresh water      | Fish - Rasbora heteromorpha             | 96 hours |

### Persistence and degradability

There is no data available.

### Bioaccumulative potential



**Section 12. Ecological information**

| Product/ingredient name                                     | LogP <sub>ow</sub> | BCF | Potential |
|---|--------------------|-----|-----------|
| 4-Nonylphenol, Branched                                     | 5.4                | 740 | high      |
| Isopropyl Alcohol   | 0.05               | -   | low       |
| Reaction Product: Bisphenol-A-(Epichlorhydrin); Epoxy Resin | 2.64 to 3.78       | 31  | low       |

**Mobility in soil**







**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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

**Section 13. Disposal considerations**

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

**Section 14. Transport information**

|                                   | DOT Classification   | IMDG   | IATA   |
|-----------------------------------|--|--|--|
| <b>UN number</b>                  | UN3082   | UN3082   | UN3082   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-Nonylphenol, Branched)  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-Nonylphenol, Branched)  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-Nonylphenol, Branched)  |
| <b>Transport hazard class(es)</b> | 9<br>  | 9<br>  | 9<br>  |
| <b>Packing group</b>              | III  | III  | III  |
| <b>Environmental hazards</b>      | Yes.   | Yes.   | Yes.   |

AERG : 171

**Additional information**



## Section 14. Transport information

- DOT Classification** : Non-bulk packages of this product are not regulated as hazardous materials unless transported by inland waterway. This product is not regulated as a hazardous material when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of §§ 173.24 and 173.24a.
- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.
- Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
- Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

- U.S. Federal regulations** : **TSCA 4(a) final test rules:** Octamethylcyclotetrasiloxane  
**TSCA 5(a)2 proposed significant new use rules:** 4-Nonylphenol, Branched  
**TSCA 8(a) PAIR:** 4-Nonylphenol, Branched; 2-Methoxy-1-methylethyl acetate; Octamethylcyclotetrasiloxane; Acetaldehyde  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**TSCA 12(b) one-time export:** 4-Nonylphenol, Branched  
**Clean Water Act (CWA) 307:** Ethylbenzene; Benzene; Toluene; Chloromethane  
**Clean Water Act (CWA) 311:** Xylene; Ethylbenzene; Maleic Anhydride; n-Butyl acetate; Benzene; Toluene; Propylene oxide; Acetaldehyde; Formaldehyde
- Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed
- Clean Air Act Section 602 Class I Substances** : Not listed
- Clean Air Act Section 602 Class II Substances** : Not listed
- DEA List I Chemicals (Precursor Chemicals)** : Not listed
- DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

| Name            | %        | EHS  | SARA 302 TPQ |           | SARA 304 RQ |           |
|-----------------|----------|------|--------------|-----------|-------------|-----------|
|                 |          |      | (lbs)        | (gallons) | (lbs)       | (gallons) |
| Propylene oxide | ≤0.00001 | Yes. | 10000        | 1444.3    | 100         | 14.4      |
| Formaldehyde    | ≤0.00001 | Yes. | 500          | 73.9      | 100         | 14.8      |
| Ethylene oxide  | ≤0.00001 | Yes. | 1000         | -         | 10          | -         |



**Section 15. Regulatory information**

**SARA 304 RQ** : 37037037037 lbs / 16814814814.8 kg [2910880821.5 gal / 11018882578.5 L]

**SARA 311/312**

**Classification** : SKIN CORROSION/IRRITATION - Category 2  
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
 SKIN SENSITIZATION - Category 1  
 TOXIC TO REPRODUCTION - Category 2

**Composition/information on ingredients**

| Name   | %         | Classification   |
|--|-----------|--|
| bis-[4-(2,3-Epoxypropoxy)phenyl] propane   | ≥25 - ≤50 | FLAMMABLE LIQUIDS - Category 4<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br>SKIN SENSITIZATION - Category 1        |
| [[[(2-Ethylhexyl)oxy]methyl] oxirane   | ≥5 - ≤10  | SKIN CORROSION/IRRITATION - Category 2<br>SKIN SENSITIZATION - Category 1  |
| 4-Nonylphenol, Branched  | ≥1 - <2.5 | ACUTE TOXICITY (oral) - Category 4<br>SKIN CORROSION/IRRITATION - Category 1B<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1<br>TOXIC TO REPRODUCTION - Category 2 |
| Isopropyl Alcohol  | ≥1 - ≤3   | FLAMMABLE LIQUIDS - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 |
| Reaction Product: Bisphenol-A-(Epichlorhydrin); Epoxy Resin  | ≥1 - ≤3   | SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br>SKIN SENSITIZATION - Category 1  |
| Fatty acids, sunflower-oil, conjugated, reaction products with maleic anhydride and tall-oil fatty acids | ≤0.3      | SKIN CORROSION/IRRITATION - Category 2<br>SKIN SENSITIZATION - Category 1  |

**SARA 313**

|  | Product name            | CAS number | %         |
|--|-------------------------|------------|-----------|
| <b>Form R - Reporting requirements</b> | 4-Nonylphenol, Branched | 84852-15-3 | ≥1 - <2.5 |
| <b>Supplier notification</b>           | 4-Nonylphenol, Branched | 84852-15-3 | ≥1 - <2.5 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations**

**Massachusetts** : The following components are listed: Titanium dioxide; Limestone; Isopropyl Alcohol

**New York** : None of the components are listed.

**New Jersey** : The following components are listed: Titanium dioxide; Limestone; Isopropyl Alcohol

**Pennsylvania** : The following components are listed: Titanium dioxide; Limestone; Isopropyl Alcohol

**California Prop. 65**

**⚠ WARNING:** This product can expose you to chemicals including Benzene and Ethylene oxide, which are known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Titanium dioxide, Crystalline silica, respirable powder, Ethylbenzene, Cumene, Propylene oxide, Acetaldehyde, Formaldehyde and 1,4-Dioxane, which are known to the State of California to cause cancer, and Toluene, Methanol and Methyl chloride, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**Section 15. Regulatory information**

| <b>Ingredient name</b>                | <b>No significant risk level</b> | <b>Maximum acceptable dosage level</b> |
|---------------------------------------|----------------------------------|--|
| Titanium dioxide                      | -                                | -                                      |
| Crystalline silica, respirable powder | -                                | -                                      |
| Ethylbenzene                          | Yes.                             | -                                      |
| Cumene                                | -                                | -                                      |
| Benzene                               | Yes.                             | Yes.                                   |
| Toluene                               | -                                | Yes.                                   |
| Propylene oxide                       | -                                | -                                      |
| Acetaldehyde                          | Yes.                             | -                                      |
| Formaldehyde                          | Yes.                             | -                                      |
| Ethylene oxide                        | Yes.                             | Yes.                                   |
| 1,4-Dioxane                           | Yes.                             | -                                      |
| Methanol                              | -                                | Yes.                                   |
| Methyl chloride                       | -                                | -                                      |

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list****United States (TSCA 8b)** : All components are active or exempted.**Section 16. Other information****Procedure used to derive the classification**

| <b>Classification</b>                            | <b>Justification</b> |
|--|----------------------|
| SKIN CORROSION/IRRITATION - Category 2           | Calculation method   |
| SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A | Calculation method   |
| SKIN SENSITIZATION - Category 1                  | Calculation method   |
| TOXIC TO REPRODUCTION - Category 2               | Calculation method   |
| AQUATIC HAZARD (ACUTE) - Category 2              | Calculation method   |
| AQUATIC HAZARD (LONG-TERM) - Category 2          | Calculation method   |

**History**

**Date of issue/Date of revision** : 06/30/2021

**Date of previous issue** : Not applicable

**Version** : 1

**Prepared by** : KMK Regulatory Services Inc.







## Section 16. Other information

### Key to abbreviations

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

### Notice to reader

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