SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: SPARTACOTE™ Surface Build Top Coat UV Part A

1.2. Intended Use of the Product
Decorative floor coating

1.3. Name, Address, and Telephone of the Responsible Party
Company
LATICRETE International
1 Laticrete Park, N
Bethany, CT 06524
T (203) 393-0010
www.laticrete.com

Company
LATICRETE Canada ULC
PO Box 129, Emeryville, Ontario, Canada
NOR-1A0

1.4. Emergency Telephone Number
Emergency Number: For Chemical Emergency Call CHEMTREC day or night
Within USA and Canada: 1.800.424.9300
Mexico: 1.800.681.9531
Outside USA and Canada: 1.703.527.3887 (collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
GHS-US/CA Classification
Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317
Muta. 2 H341
Aquatic Acute 2 H401
Aquatic Chronic 2 H411
Full text of hazard classes and H-statements: see section 16

2.2. Label Elements
GHS-US/CA Labeling
Hazard Pictograms (GHS-US/CA): " ! " ! " !

Signal Word (GHS-US/CA): Warning
Hazard Statements (GHS-US/CA):
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H341 - Suspected of causing genetic defects.
H401 - Toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA):
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
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 advice/attention.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3.       Other Hazards
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4.       Unknown Acute Toxicity (GHS-US/CA)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1.       Substance
Not applicable

3.2.       Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS Ingredient Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A-epichlorohydrin polymer</td>
<td>(CAS-No.) 25068-38-6</td>
<td>40 - 60</td>
<td>Skin Irrit. 2, H315&lt;br&gt;Eye Irrit. 2A, H319&lt;br&gt;Skin Sens. 1, H317&lt;br&gt;Aquatic Acute 2, H401&lt;br&gt;Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Oxirane, 2,2'-[1,4-cyclohexanediylbis( methyleneoxy)methylene)]bis-</td>
<td>(CAS-No.) 14228-73-0</td>
<td>15 - 25</td>
<td>Acute Tox. 4 (Oral), H302&lt;br&gt;Skin Irrit. 2, H315&lt;br&gt;Skin Sens. 1, H317&lt;br&gt;Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>D-Glucitol, reaction products with epichlorohydrin</td>
<td>(CAS-No.) 68412-01-1</td>
<td>10 - 15</td>
<td>Muta. 2, H341</td>
</tr>
<tr>
<td>Cyclohexanol, 4,4'-(1-methylene)bis[(chloromethyl)oxirane]</td>
<td>(CAS-No.) 30583-72-3</td>
<td>10 - 15</td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td>Trimethylolpropane triacrylate</td>
<td>(CAS-No.) 15625-89-5</td>
<td>5 - 10</td>
<td>Skin Irrit. 2, H315&lt;br&gt;Eye Irrit. 2A, H319&lt;br&gt;Skin Sens. 1A, H317&lt;br&gt;Aquatic Acute 1, H400&lt;br&gt;Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Phenol, polymer with formaldehyde, glycidyl ether</td>
<td>(CAS-No.) 28064-14-4</td>
<td>&lt;= 5</td>
<td>Skin Irrit. 2, H315&lt;br&gt;Eye Irrit. 2A, H319&lt;br&gt;Skin Sens. 1, H317&lt;br&gt;Aquatic Acute 2, H401&lt;br&gt;Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

4.1.       Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists. If exposed or concerned: Get medical advice/attention.
Eye Contact: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Causes skin irritation. Causes serious eye irritation. Skin sensitization. Suspected of causing genetic defects.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Suspected of causing genetic defects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.


Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).


6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, mist, spray. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.


7.3. Specific End Use(s)
Decorative floor coating

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

<table>
<thead>
<tr>
<th>Trimethylolpropane triacrylate (15625-89-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA AIHA WEEL TWA (mg/m³)</td>
</tr>
<tr>
<td>USA AIHA AIHA chemical category</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls
Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous, Color Varies</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
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<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>260 °C (500 °F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>251 °C (483.8 °F) Closed Cup</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
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</tr>
<tr>
<td>Vapor Pressure</td>
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</tr>
<tr>
<td>Relative Vapor Density at 20°C</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Specific Gravity: 1.1494
Solubility: Not available
Partition Coefficient: N-Octanol/Water: Not available
Viscosity: Not available

SECTION 10: STABILITY AND REACTIVITY
10.1. Reactivity: Hazardous reactions will not occur under normal conditions.
10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of Hazardous Reactions: This product contains an epoxy resin. Polymerization can be catalyzed by: acids, lewis acids, amines, strong bases. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.
10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

SECTION 11: TOXICOLOGICAL INFORMATION
11.1. Information on Toxicological Effects - Product
- Acute Toxicity (Oral): Not classified
- Acute Toxicity (Dermal): Not classified
- Acute Toxicity (Inhalation): Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Causes skin irritation.
Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Suspected of causing genetic defects.
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.
Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
Chronic Symptoms: Suspected of causing genetic defects.

11.2. Information on Toxicological Effects - Ingredient(s)
LD50 and LC50 Data:
- Bisphenol A-epichlorohydrin polymer (25068-38-6)
  - LD50 Oral Rat: > 2000 mg/kg
  - LD50 Dermal Rat: > 2000 mg/kg
- Oxirane, 2,2’-[1,4-cyclohexanediylbis(methyleneoxy)methylene)]bis- (14228-73-0)
  - LD50 Oral Rat: 1098 mg/kg
- Trimethylolpropane triacrylate (15625-89-5)
  - LD50 Oral Rat: 5190 mg/kg
  - LD50 Dermal Rabbit: 5000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION
12.1. Toxicity
Ecology - General: Toxic to aquatic life with long lasting effects.
- Bisphenol A-epichlorohydrin polymer (25068-38-6)
  - EC50 Daphnia 1: 1.7 mg/l
  - LOEC (Acute): 1 mg/l Daphnia magna
  - NOEC Chronic Crustacea: 0.3 mg/l Daphnia magna
SPARTACOTE™ Surface Build Top Coat UV Part A

Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

<table>
<thead>
<tr>
<th>Trimethylolpropane triacrylate (15625-89-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
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</table>

12.2. Persistence and Degradability

<table>
<thead>
<tr>
<th>SPARTACOTE™ Surface Build Top Coat UV Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and Degradability</td>
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</table>

12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>SPARTACOTE™ Surface Build Top Coat UV Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative Potential</td>
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</table>

12.4. Mobility in Soil

<table>
<thead>
<tr>
<th>SPARTACOTE™ Surface Build Top Coat UV Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility in Soil</td>
</tr>
</tbody>
</table>

12.5. Other Adverse Effects

| Other Information | Avoid release to the environment. |

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

| Waste Disposal Recommendations | Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations. |

| Ecology - Waste Materials | Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways. |

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Bisphenol A-epichlorohydrin polymer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>9</td>
</tr>
<tr>
<td>Identification Number</td>
<td>UN3082</td>
</tr>
<tr>
<td>Label Codes</td>
<td>9</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>Marine Pollutant</td>
<td>Marine pollutant</td>
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<tr>
<td>ERG Number</td>
<td>171</td>
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14.2. In Accordance with IMDG

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<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A-epichlorohydrin polymer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>9</td>
</tr>
<tr>
<td>Identification Number</td>
<td>UN3082</td>
</tr>
<tr>
<td>Label Codes</td>
<td>9</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>EmS-No. (Fire)</td>
<td>F-A</td>
</tr>
<tr>
<td>EmS-No. (Spillage)</td>
<td>S-F</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>Marine pollutant</td>
</tr>
</tbody>
</table>

14.3. In Accordance with IATA

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A-epichlorohydrin polymer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>9</td>
</tr>
<tr>
<td>Identification Number</td>
<td>UN3082</td>
</tr>
<tr>
<td>Label Codes</td>
<td>9</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>ERG Code (IATA)</td>
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14.4. In Accordance with TDG

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<tr>
<th>Proper Shipping Name</th>
<th>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A-epichlorohydrin polymer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>9</td>
</tr>
<tr>
<td>Identification Number</td>
<td>UN3082</td>
</tr>
<tr>
<td>Label Codes</td>
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<tr>
<td>Packing Group</td>
<td>III</td>
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</tbody>
</table>
**SPARTACOTE™ Surface Build Top Coat UV Part A**

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

**Marine Pollutant (TDG) :** Marine pollutant

### SECTION 15: REGULATORY INFORMATION

#### 15.1. US Federal Regulations

| SPARTACOTE™ Surface Build Top Coat UV Part A | Health hazard - Respiratory or skin sensitization  
|                                             | Health hazard - Skin corrosion or Irritation  
|                                             | Health hazard - Serious eye damage or eye irritation  
|                                             | Health hazard - Germ cell mutagenicity  

**Bisphenol A-epichlorohydrin polymer (25068-38-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

XU - XU - indicates a substance exempt from reporting under Chemical Data Reporting Rule (formerly the Inventory Update Reporting Rule), i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 711).

**Oxirane, 2,2’-[1,4-cyclohexanediylbis(methyleneoxymethylene)]bis- (14228-73-0)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

TP - TP - indicates a substance that is the subject of a proposed Section 4 test rule under TSCA.

**Cyclohexanol, 4,4’-{1-methylethylidene}bis-, polymer with (chloromethyl)oxirane (30583-72-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

XU - XU - indicates a substance exempt from reporting under Chemical Data Reporting Rule (formerly the Inventory Update Reporting Rule), i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 711).

**D-Glucitol, reaction products with epichlorohydrin (68412-01-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Trimethylolpropane triacrylate (15625-89-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag**

XU - XU - indicates a substance exempt from reporting under Chemical Data Reporting Rule (formerly the Inventory Update Reporting Rule), i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 711).

#### 15.2. US State Regulations

Neither this product nor its chemical components appear on any US state lists, or its chemical components are not required to be disclosed

#### 15.3. Canadian Regulations

**Bisphenol A-epichlorohydrin polymer (25068-38-6)**

Listed on the Canadian DSL (Domestic Substances List)

**Oxirane, 2,2’-[1,4-cyclohexanediylbis(methyleneoxymethylene)]bis- (14228-73-0)**

Listed on the Canadian DSL (Domestic Substances List)

**Cyclohexanol, 4,4’-{1-methylethylidene}bis-, polymer with (chloromethyl)oxirane (30583-72-3)**

Listed on the Canadian DSL (Domestic Substances List)

**D-Glucitol, reaction products with epichlorohydrin (68412-01-1)**

Listed on the Canadian DSL (Domestic Substances List)

**Trimethylolpropane triacrylate (15625-89-5)**

Listed on the Canadian DSL (Domestic Substances List)

**Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4)**

Listed on the Canadian DSL (Domestic Substances List)
SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision: 09/06/2018
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Acute 2</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 3</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Muta. 2</td>
<td>Germ cell mutagenicity Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitization, Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1A</td>
<td>Skin sensitization, category 1A</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H341</td>
<td>Suspected of causing genetic defects</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.