



# Safety Data Sheet

Issue date 10-Apr-2019

Revision date 10-Apr-2019

Revision Number 1

## 1. IDENTIFICATION

### Product identification

Product identifier Kent® Flex-E-6001 Seam Sealer - Part B

Other means of identification P10486B

Recommended use Adhesive

Restrictions on use No information available

### Supplier

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**24 Hour Emergency Phone Number** (888) 426-4851 (Prosar)

**Website** <https://www.lawsonproducts.com>

## 2. HAZARD(S) IDENTIFICATION

### Hazard Classification

|                                                  |             |
|--------------------------------------------------|-------------|
| Acute toxicity - Oral                            | Category 4  |
| Skin corrosion/irritation                        | Category 2  |
| Serious eye damage/eye irritation                | Category 2A |
| Skin sensitization                               | Category 1  |
| Carcinogenicity                                  | Category 2  |
| Specific target organ toxicity (single exposure) | Category 3  |

### Symbol



**Signal word**

WARNING

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard statements</b>                                 | H315 - Causes skin irritation<br>H302 - Harmful if swallowed<br>H319 - Causes serious eye irritation<br>H317 - May cause an allergic skin reaction<br>H335 - May cause respiratory irritation<br>H351 - Suspected of causing cancer                                                                                                                                                                                                                                                                                         |
| <b>Precautionary statements</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>General</b>                                           | P101 - If medical advice is needed, have product container or label at hand<br>P102 - Keep out of reach of children<br>P103 - Read label before use.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Prevention</b>                                        | P261 - Avoid breathing dust/fume/gas/mist/vapors/spray<br>P280 - Wear protective gloves/protective clothing and eye/face protection<br>P264 - Wash skin thoroughly after handling<br>P270 - Do not eat, drink or smoke when using this product<br>P271 - Use only outdoors or in a well-ventilated area<br>P272 - Contaminated work clothing should not be allowed out of the workplace<br>P201 - Obtain special instructions before use<br>P202 - Do not handle until all safety precautions have been read and understood |
| <b>Response</b>                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>General</b>                                           | P321 - For Specific treatment see section 4 of this sds                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Eyes</b>                                              | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.<br>Remove contact lenses, if present and easy to do. Continue rinsing<br>P337 + P313 - If eye irritation persists: Get medical advice/attention                                                                                                                                                                                                                                                                                           |
| <b>Skin</b>                                              | P302 + P352 - IF ON SKIN: Wash with plenty of soap and water<br>P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention<br>P362 - Take off contaminated clothing and wash before reuse                                                                                                                                                                                                                                                                                                                |
| <b>Inhalation</b>                                        | P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position<br>comfortable for breathing<br>P308 + P313 - IF exposed or concerned: Get medical advice/attention                                                                                                                                                                                                                                                                                                                                     |
| <b>Ingestion</b>                                         | P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel<br>unwell<br>P330 - Rinse mouth                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>                                           | P405 - Store locked up<br>P403 + P233 - Store in a well-ventilated place. Keep container tightly closed                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Disposal</b>                                          | P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Hazard(s) Not Otherwise Classified (HNOC)</b>         | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Physical Hazards Not Otherwise Classified (PHNOC)</b> | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Unknown acute toxicity</b>                            | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition** Mixture.

| Chemical name                                                           | CAS-No     | Weight % |
|-------------------------------------------------------------------------|------------|----------|
| Bisphenol A - Epichlorohydrin polymer                                   | 25068-38-6 | 30-60    |
| Diglycidyl Ether Bisphenol A Epoxy Resin                                | 25085-99-8 | 7-13     |
| Oxirane,<br>2,2' -[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | 17557-23-2 | 1-5      |
| Castor oil glycidyl ether                                               | 74398-71-3 | 1-5      |
| Modified Silicone Dioxide                                               | 67762-90-7 | 1-5      |
| Titanium dioxide                                                        | 13463-67-7 | <1       |
| Quartz                                                                  | 14808-60-7 | <1       |
| Modified Bisphenol Resin Mixture                                        | 68909-14-8 | <1       |
| Methanol                                                                | 67-56-1    | <1       |
| Glycidoxyparyl-Trimethoxysilane                                         | 2530-83-8  | <1       |
| ethanediol                                                              | 107-21-1   | <1       |
| Epichlorohydrin-polyglycerol polymer                                    | 26142-30-3 | <1       |
| Calcium Carbonate                                                       | 1317-65-3  | <1       |

**4. FIRST-AID MEASURES****Necessary first-aid measures****General Information**

Immediately remove all soiled and contaminated clothing. Symptoms of poisoning may occur, even after several hours. Keep under medical supervision for at least 48 hours.

**Inhalation**

Remove to fresh air. If unconscious, place patient in side position for transportation. Seek medical attention.

**Ingestion**

Contact physician or poison control center immediately.

**Skin contact**

Immediately wash with water and soap and rinse thoroughly.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

**Most important symptoms (acute)**

Severe eye irritation. Skin irritation. May cause respiratory irritation. May cause allergic skin reaction.

**Most important symptoms (over-exposure)**

Not available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**

None known.

**Specific hazards**

In use, may form flammable/explosive vapour-air mixture.

**Special protective equipment for fire-fighters**

No special measures are required.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

### Methods and materials for containment and cleaning up

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Clean up residue with soap and water. Dispose of absorbent in accordance with local, state and federal regulations. Ensure adequate ventilation.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

No special handling procedures needed.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

| Chemical name                                                              | OSHA PEL (TWA)                                      | ACGIH OEL (TWA)                                        | NIOSH - TWA                                                                            |
|----------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|
| Bisphenol A - Epichlorohydrin polymer                                      | -                                                   | -                                                      | -                                                                                      |
| Diglycidyl Ether Bisphenol A Epoxy Resin                                   | -                                                   | -                                                      | -                                                                                      |
| Oxirane,<br>2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxy<br>methylene)]bis- | -                                                   | -                                                      | -                                                                                      |
| Castor oil glycidyl ether                                                  | -                                                   | -                                                      | -                                                                                      |
| Modified Silicone Dioxide                                                  | -                                                   | -                                                      | -                                                                                      |
| Titanium dioxide                                                           | 15 mg/m <sup>3</sup> TWA                            | 10 mg/m <sup>3</sup> TWA                               | 2.4 mg/m <sup>3</sup> TWA<br>0.3 mg/m <sup>3</sup> TWA                                 |
| Quartz                                                                     | 50 µg/m <sup>3</sup> TWA 50 µg/m <sup>3</sup> TWA   | 0.025 mg/m <sup>3</sup> TWA                            | 0.05 mg/m <sup>3</sup> TWA                                                             |
| Modified Bisphenol Resin Mixture                                           | -                                                   | -                                                      | -                                                                                      |
| Methanol                                                                   | 200 ppm TWA<br>260 mg/m <sup>3</sup> TWA            | 250 ppm STEL<br>200 ppm TWA<br>Skin                    | 250 ppm STEL<br>325 mg/m <sup>3</sup> STEL<br>200 ppm TWA<br>260 mg/m <sup>3</sup> TWA |
| Glycidoxypropyl-Trimethoxysilane                                           | -                                                   | -                                                      | -                                                                                      |
| ethanediol                                                                 | -                                                   | 50 ppm STEL<br>10 mg/m <sup>3</sup> STEL<br>25 ppm TWA | -                                                                                      |
| Epichlorohydrin-polyglycerol polymer                                       | -                                                   | -                                                      | -                                                                                      |
| Calcium Carbonate                                                          | 15 mg/m <sup>3</sup> TWA<br>5 mg/m <sup>3</sup> TWA | -                                                      | 10 mg/m <sup>3</sup> TWA<br>5 mg/m <sup>3</sup> TWA                                    |

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

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

#### Eye protection

ANSI approved safety goggles are recommended if exposure is likely. An eye wash station should be available.

#### Skin and body protection

Wear chemical resistant gloves (nitrile) and paint suits. The most suitable glove must be

chosen in consultation with the gloves supplier who can inform about the breakthrough time of the glove material. Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

### Respiratory protection

Wear a NIOSH approved organic vapor respirator. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air purifying respirators may not provide adequate protection.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of workday. Avoid contact with skin, eyes and clothing.

### Canadian Province Occupational Exposure Limits

| Chemical name                                                       | Alberta OEL                                                                            | British Columbia OEL                                                                                     | Manitoba OEL                                           | New Brunswick - OEL                                                                    | Newfoundland and Labrador - OEL                        | Nova Scotia - OEL                                      | Ontario OEL                   | Prince Edward Island - OEL                             | Quebec OEL                                                                             | Saskatchewan - OEL                                    |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------|
| Bisphenol A - Epichlorohydrin polymer                               | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| Diglycidyl Ether Bisphenol A Epoxy Resin                            | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| Castor oil glycidyl ether                                           | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| Modified Silicone Dioxide                                           | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| Titanium dioxide                                                    | 10 mg/m <sup>3</sup> TWA                                                               | 10 mg/m <sup>3</sup> TWA<br>3 mg/m <sup>3</sup> TWA                                                      | 10 mg/m <sup>3</sup> TWA                               | 10 mg/m <sup>3</sup> TWA                                                               | 10 mg/m <sup>3</sup> TWA                               | 10 mg/m <sup>3</sup> TWA                               | 10 mg/m <sup>3</sup> TWA      | 10 mg/m <sup>3</sup> TWA                               | 10 mg/m <sup>3</sup> TWA<br>10 mg/m <sup>3</sup> STEL                                  | 20 mg/m <sup>3</sup> STEL<br>10 mg/m <sup>3</sup> TWA |
| Quartz                                                              | 0.025 mg/m <sup>3</sup> TWA                                                            | 0.025 mg/m <sup>3</sup> TWA                                                                              | 0.025 mg/m <sup>3</sup> TWA                            | 0.1 mg/m <sup>3</sup> TWA                                                              | 0.025 mg/m <sup>3</sup> TWA                            | 0.025 mg/m <sup>3</sup> TWA                            | 0.10 mg/m <sup>3</sup> TWA    | 0.025 mg/m <sup>3</sup> TWA                            | 0.1 mg/m <sup>3</sup> TWA<br>0.1 mg/m <sup>3</sup> STEL                                | 0.05 mg/m <sup>3</sup> TWA                            |
| Modified Bisphenol Resin Mixture                                    | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| Methanol                                                            | 250 ppm STEL<br>328 mg/m <sup>3</sup> STEL<br>200 ppm TWA<br>262 mg/m <sup>3</sup> TWA | 250 ppm STEL<br>200 ppm TWA                                                                              | 200 ppm TWA<br>250 ppm STEL                            | 250 ppm STEL<br>328 mg/m <sup>3</sup> STEL<br>200 ppm TWA<br>262 mg/m <sup>3</sup> TWA | 250 ppm STEL<br>200 ppm TWA                            | 250 ppm STEL<br>200 ppm TWA                            | 250 ppm STEL<br>200 ppm TWA   | 250 ppm STEL<br>200 ppm TWA                            | 250 ppm STEL<br>328 mg/m <sup>3</sup> STEL<br>200 ppm TWA<br>262 mg/m <sup>3</sup> TWA | 250 ppm STEL<br>200 ppm TWA                           |
| Glycidioxypropyl-Tri methoxysilane                                  | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| ethanediol                                                          | 100 mg/m <sup>3</sup> Ceiling                                                          | 100 mg/m <sup>3</sup> Ceiling<br>50 ppm Ceiling<br>20 mg/m <sup>3</sup> STEL<br>10 mg/m <sup>3</sup> TWA | 25 ppm TWA<br>50 ppm STEL<br>10 mg/m <sup>3</sup> STEL | 100 mg/m <sup>3</sup> Ceiling                                                          | 50 ppm STEL<br>10 mg/m <sup>3</sup> STEL<br>25 ppm TWA | 50 ppm STEL<br>10 mg/m <sup>3</sup> STEL<br>25 ppm TWA | 100 mg/m <sup>3</sup> Ceiling | 50 ppm STEL<br>10 mg/m <sup>3</sup> STEL<br>25 ppm TWA | 50 ppm Ceiling<br>127 mg/m <sup>3</sup> Ceiling                                        | 100 mg/m <sup>3</sup> Ceiling                         |
| Epichlorohydrin-polyglycerol polymer                                | -                                                                                      | -                                                                                                        | -                                                      | -                                                                                      | -                                                      | -                                                      | -                             | -                                                      | -                                                                                      | -                                                     |
| Calcium Carbonate                                                   | 10 mg/m <sup>3</sup> TWA                                                               | 20 mg/m <sup>3</sup> STEL                                                                                | -                                                      | 10 mg/m <sup>3</sup> TWA                                                               | -                                                      | -                                                      | -                             | -                                                      | 10 mg/m <sup>3</sup> TWA<br>10 mg/m <sup>3</sup> STEL                                  | 20 mg/m <sup>3</sup> STEL                             |

| Chemical name | Alberta<br>OEL | British<br>Columbia<br>OEL                                | Manitoba<br>OEL | New<br>Brunswick<br>- OEL | Newfoundl<br>and &<br>Labrador -<br>OEL | Nova<br>Scotia -<br>OEL | Ontario<br>OEL | Prince<br>Edward<br>Island -<br>OEL | Quebec<br>OEL | Saskatche<br>wan - OEL      |
|---------------|----------------|-----------------------------------------------------------|-----------------|---------------------------|-----------------------------------------|-------------------------|----------------|-------------------------------------|---------------|-----------------------------|
|               |                | 10 mg/m <sup>3</sup><br>TWA<br>3 mg/m <sup>3</sup><br>TWA |                 |                           |                                         |                         |                |                                     |               | 10 mg/m <sup>3</sup><br>TWA |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                            |                              |
|--------------------------------------------|------------------------------|
| Physical state                             | Liquid                       |
| Color                                      | Clear                        |
| Odor                                       | Characteristic               |
| Odor threshold                             | No information available     |
| pH                                         | No data available            |
| Melting point/range °C                     | No data available            |
| Melting point/range °F                     | No data available            |
| Boiling point/range °C                     | Not available                |
| Boiling point/range °F                     | Not available                |
| Flash point °C                             | 257                          |
| Flash point °F                             | 494                          |
| Flash point method used                    | Not available                |
| Evaporation rate                           | No data available            |
| Flammability (Solid, Gas)                  | No data available            |
| Lower explosion limit                      | Not available                |
| Upper explosion limit                      | Not available                |
| Vapor pressure                             | Not available                |
| Vapor density                              | No data available            |
| Relative density                           | 1.22                         |
| Solubility                                 | Immiscible                   |
| Partition coefficient<br>(n-octanol/water) | No data available            |
| Autoignition temperature °C                | Product is not self-igniting |
| Autoignition temperature °F                | Product is not self-igniting |
| Decomposition temperature °C               | No data available            |

**Decomposition temperature °F** No data available

**Viscosity** No data available

## 10. STABILITY AND REACTIVITY

**Reactivity** Not available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None known.

**Conditions to avoid** None known.

**Incompatible materials** No further relevant information available.

**Hazardous decomposition products** None known.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure** Dermal. Eyes.

**Symptoms** Causes irritation to the mucous membranes. Causes eye and skin irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure** Sensitization possible through skin contact.

### Numerical measures of toxicity

| Chemical name                                                                | Inhalation LC50:                                   | Dermal LD50:                                         | Oral LD50:                                   |
|------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------|----------------------------------------------|
| Bisphenol A - Epichlorohydrin polymer                                        | -                                                  | -                                                    | = 11400 mg/kg ( Rat )                        |
| Diglycidyl Ether Bisphenol A Epoxy Resin                                     | -                                                  | -                                                    | -                                            |
| Oxirane,<br>2,2' -[(2,2-dimethyl-1,3-propanediyl)]bis<br>(oxymethylene)]bis- | -                                                  | -                                                    | = 4500 mg/kg ( Rat )                         |
| Castor oil glycidyl ether                                                    | -                                                  | -                                                    | -                                            |
| Modified Silicone Dioxide                                                    | -                                                  | -                                                    | -                                            |
| Titanium dioxide                                                             | -                                                  | -                                                    | > 10000 mg/kg ( Rat )                        |
| Quartz                                                                       | -                                                  | -                                                    | -                                            |
| Modified Bisphenol Resin Mixture                                             | -                                                  | -                                                    | -                                            |
| Methanol                                                                     | = 22500 ppm ( Rat ) 8 h =<br>64000 ppm ( Rat ) 4 h | = 15800 mg/kg ( Rabbit ) =<br>15840 mg/kg ( Rabbit ) | = 6200 mg/kg ( Rat )                         |
| Glycidoxypopyl-Trimethoxysilane                                              | > 5.3 mg/L ( Rat ) 4 h                             | = 3970 µL/kg ( Rabbit )                              | = 22600 µL/kg ( Rat ) = 7.01<br>g/kg ( Rat ) |
| ethanediol                                                                   | -                                                  | = 10600 mg/kg ( Rat ) = 9530<br>µL/kg ( Rabbit )     | = 4700 mg/kg ( Rat )                         |
| Epichlorohydrin-polyglycerol polymer                                         | -                                                  | -                                                    | -                                            |
| Calcium Carbonate                                                            | -                                                  | -                                                    | -                                            |

**ATEmix (dermal)** Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

### Carcinogenicity

| Chemical name                                                       | ACGIH OEL - Carcinogens | IARC     | OSHA RTK Carcinogens | NTP              |
|---------------------------------------------------------------------|-------------------------|----------|----------------------|------------------|
| Bisphenol A - Epichlorohydrin polymer                               | -                       | -        | -                    | -                |
| Diglycidyl Ether Bisphenol A Epoxy Resin                            | -                       | -        | -                    | -                |
| Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | -                       | -        | -                    | -                |
| Castor oil glycidyl ether                                           | -                       | -        | -                    | -                |
| Modified Silicone Dioxide                                           | -                       | -        | -                    | -                |
| Titanium dioxide                                                    | A4                      | Group 2B | Listed               | -                |
| Quartz                                                              | -                       | Group 1  | Listed               | Known Carcinogen |
| Modified Bisphenol Resin Mixture                                    | -                       | -        | -                    | -                |
| Methanol                                                            | -                       | -        | -                    | -                |
| Glycidoxypropyl-Trimethoxysilane                                    | -                       | -        | -                    | -                |
| ethanediol                                                          | -                       | -        | -                    | -                |
| Epichlorohydrin-polyglycerol polymer                                | -                       | -        | -                    | -                |
| Calcium Carbonate                                                   | -                       | -        | -                    | -                |

### Canadian Province carcinogenicity limits

| Chemical name                                                       | Alberta - Carcinogen | British Columbia - Carcinogen | Manitoba - Carcinogen | New Brunswick - Carcinogen | Nova Scotia - Carcinogen | Quebec - Carcinogen |
|---------------------------------------------------------------------|----------------------|-------------------------------|-----------------------|----------------------------|--------------------------|---------------------|
| Bisphenol A - Epichlorohydrin polymer                               | -                    | -                             | -                     | -                          | -                        | -                   |
| Diglycidyl Ether Bisphenol A Epoxy Resin                            | -                    | -                             | -                     | -                          | -                        | -                   |
| Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | -                    | -                             | -                     | -                          | -                        | -                   |
| Castor oil glycidyl ether                                           | -                    | -                             | -                     | -                          | -                        | -                   |
| Modified Silicone Dioxide                                           | -                    | -                             | -                     | -                          | -                        | -                   |
| Titanium dioxide                                                    | -                    | IARC 2B                       | ACGIH A4              | ACGIH A4                   | ACGIH A4                 | -                   |
| Quartz                                                              | -                    | ACGIH A2<br>IARC 1            | ACGIH A2              | -                          | ACGIH A2                 | C2 carcinogen       |
| Modified Bisphenol Resin Mixture                                    | -                    | -                             | -                     | -                          | -                        | -                   |
| Methanol                                                            | -                    | -                             | -                     | -                          | -                        | -                   |
| Glycidoxypropyl-Trimethoxysilane                                    | -                    | -                             | -                     | -                          | -                        | -                   |
| ethanediol                                                          | -                    | -                             | ACGIH A4              | ACGIH A4                   | ACGIH A4                 | -                   |
| Epichlorohydrin-polyglyc                                            | -                    | -                             | -                     | -                          | -                        | -                   |

| Chemical name     | Alberta - Carcinogen | British Columbia - Carcinogen | Manitoba - Carcinogen | New Brunswick - Carcinogen | Nova Scotia - Carcinogen | Quebec - Carcinogen |
|-------------------|----------------------|-------------------------------|-----------------------|----------------------------|--------------------------|---------------------|
| erol polymer      |                      |                               |                       |                            |                          |                     |
| Calcium Carbonate | -                    | -                             | -                     | -                          | -                        | -                   |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

| Chemical name                                                       | Algae/aquatic plants                                         | Fish                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bisphenol A - Epichlorohydrin polymer                               | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Diglycidyl Ether Bisphenol A Epoxy Resin                            | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Castor oil glycidyl ether                                           | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Modified Silicone Dioxide                                           | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Titanium dioxide                                                    | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Quartz                                                              | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Modified Bisphenol Resin Mixture                                    | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Methanol                                                            | -                                                            | 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through                   |
| Glycidoxypropyl-Trimethoxysilane                                    | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| ethanediol                                                          | 6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static |
| Epichlorohydrin-polyglycerol polymer                                | -                                                            | -                                                                                                                                                                                                                                                                                                        |
| Calcium Carbonate                                                   | -                                                            | -                                                                                                                                                                                                                                                                                                        |

**Persistence and degradability** No data available.

### Bioaccumulation

| Chemical name                                                          | CAS-No     | Partition coefficient (log Kow) |
|------------------------------------------------------------------------|------------|---------------------------------|
| Bisphenol A - Epichlorohydrin polymer<br>25068-38-6                    | 25068-38-6 | -                               |
| Diglycidyl Ether Bisphenol A Epoxy Resin<br>25085-99-8                 | 25085-99-8 | -                               |
| Oxirane,<br>2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | 17557-23-2 | -                               |

| Chemical name                                      | CAS-No     | Partition coefficient (log Kow) |
|----------------------------------------------------|------------|---------------------------------|
| e)]bis-<br>17557-23-2                              |            |                                 |
| Castor oil glycidyl ether<br>74398-71-3            | 74398-71-3 | -                               |
| Modified Silicone Dioxide<br>67762-90-7            | 67762-90-7 | -                               |
| Titanium dioxide<br>13463-67-7                     | 13463-67-7 | -                               |
| Quartz<br>14808-60-7                               | 14808-60-7 | -                               |
| Modified Bisphenol Resin Mixture<br>68909-14-8     | 68909-14-8 | -                               |
| Methanol<br>67-56-1                                | 67-56-1    | -0.77                           |
| Glycidoxypropyl-Trimethoxysilane<br>2530-83-8      | 2530-83-8  | -                               |
| ethanediol<br>107-21-1                             | 107-21-1   | -1.93                           |
| Epichlorohydrin-polyglycerol polymer<br>26142-30-3 | 26142-30-3 | -                               |
| Calcium Carbonate<br>1317-65-3                     | 1317-65-3  | -                               |

**Mobility in soil** Not available.

**Other adverse effects** No further relevant information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal information** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

**Contaminated packaging** Dispose in accordance with local, state and federal regulations.

### 14. TRANSPORTATION INFORMATION

#### Shipping Descriptions

##### DOT

Proper shipping name Not regulated

##### TDG

Proper shipping name Not regulated

##### IATA

Proper shipping name Not regulated

##### IMDG/IMO

ID-No Not Regulated

#### Marine Pollutants

| Chemical name                            | CAS-No     | USDOT Marine Pollutant | Canada TDG Marine Pollutant | IMDG Marine Pollutant |
|------------------------------------------|------------|------------------------|-----------------------------|-----------------------|
| Bisphenol A - Epichlorohydrin polymer    | 25068-38-6 | -                      | -                           | -                     |
| Diglycidyl Ether Bisphenol A Epoxy Resin | 25085-99-8 | -                      | -                           | -                     |

| Chemical name                                                       | CAS-No     | USDOT Marine Pollutant | Canada TDG Marine Pollutant | IMDG Marine Pollutant |
|---------------------------------------------------------------------|------------|------------------------|-----------------------------|-----------------------|
| Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | 17557-23-2 | -                      | -                           | -                     |
| Castor oil glycidyl ether                                           | 74398-71-3 | -                      | -                           | -                     |
| Modified Silicone Dioxide                                           | 67762-90-7 | -                      | -                           | -                     |
| Titanium dioxide                                                    | 13463-67-7 | -                      | -                           | -                     |
| Quartz                                                              | 14808-60-7 | -                      | -                           | -                     |
| Modified Bisphenol Resin Mixture                                    | 68909-14-8 | -                      | -                           | -                     |
| Methanol                                                            | 67-56-1    | -                      | -                           | -                     |
| Glycidoxypropyl-Trimethoxysilane                                    | 2530-83-8  | -                      | -                           | -                     |
| ethanediol                                                          | 107-21-1   | -                      | -                           | -                     |
| Epichlorohydrin-polyglycerol polymer                                | 26142-30-3 | -                      | -                           | -                     |
| Calcium Carbonate                                                   | 1317-65-3  | -                      | -                           | -                     |

**Special Precautions**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

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.

## 15. REGULATORY INFORMATION

**State regulations****U.S. state Right-to-Know regulations**

| Chemical name                                                       | CAS-No     | Massachusetts - RTK | New Jersey - RTK | Pennsylvania - RTK |
|---------------------------------------------------------------------|------------|---------------------|------------------|--------------------|
| Bisphenol A - Epichlorohydrin polymer                               | 25068-38-6 | -                   | -                | -                  |
| Diglycidyl Ether Bisphenol A Epoxy Resin                            | 25085-99-8 | -                   | -                | -                  |
| Oxirane, 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylene)]bis- | 17557-23-2 | -                   | -                | -                  |
| Castor oil glycidyl ether                                           | 74398-71-3 | -                   | -                | -                  |
| Modified Silicone Dioxide                                           | 67762-90-7 | -                   | -                | -                  |
| Titanium dioxide                                                    | 13463-67-7 | X                   | X                | X                  |
| Quartz                                                              | 14808-60-7 | X                   | X                | X                  |
| Modified Bisphenol Resin Mixture                                    | 68909-14-8 | -                   | -                | -                  |
| Methanol                                                            | 67-56-1    | X                   | X                | X                  |
| Glycidoxypropyl-Trimethoxysilane                                    | 2530-83-8  | -                   | -                | -                  |
| ethanediol                                                          | 107-21-1   | X                   | X                | X                  |
| Epichlorohydrin-polyglycerol polymer                                | 26142-30-3 | -                   | -                | -                  |
| Calcium Carbonate                                                   | 1317-65-3  | X                   | X                | X                  |

**California Prop. 65**

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

| Chemical name                                                              | CAS-No     | California Prop. 65 |
|----------------------------------------------------------------------------|------------|---------------------|
| Bisphenol A - Epichlorohydrin polymer                                      | 25068-38-6 | -                   |
| Diglycidyl Ether Bisphenol A Epoxy Resin                                   | 25085-99-8 | -                   |
| Oxirane,<br>2,2'-[(2,2-dimethyl-1,3-propanediyl)bis(oxymethylen<br>e)]bis- | 17557-23-2 | -                   |
| Castor oil glycidyl ether                                                  | 74398-71-3 | -                   |
| Modified Silicone Dioxide                                                  | 67762-90-7 | -                   |
| Titanium dioxide                                                           | 13463-67-7 | Carcinogen          |
| Quartz                                                                     | 14808-60-7 | Carcinogen          |
| Modified Bisphenol Resin Mixture                                           | 68909-14-8 | -                   |
| Methanol                                                                   | 67-56-1    | Developmental       |
| Glycidoxypropyl-Trimethoxysilane                                           | 2530-83-8  | -                   |
| ethanediol                                                                 | 107-21-1   | Developmental       |
| Epichlorohydrin-polyglycerol polymer                                       | 26142-30-3 | -                   |
| Calcium Carbonate                                                          | 1317-65-3  | -                   |

## U.S. Federal Regulations

### US EPA SARA 313

| Chemical name                                                              | CAS-No     | CERCLA/SARA<br>Hazardous Substances RQ | SARA 313 - Threshold Values |
|----------------------------------------------------------------------------|------------|----------------------------------------|-----------------------------|
| Bisphenol A - Epichlorohydrin polymer                                      | 25068-38-6 | -                                      | -                           |
| Diglycidyl Ether Bisphenol A Epoxy Resin                                   | 25085-99-8 | -                                      | -                           |
| Oxirane,<br>2,2'-[(2,2-dimethyl-1,3-propanediyl)bis<br>(oxymethylene)]bis- | 17557-23-2 | -                                      | -                           |
| Castor oil glycidyl ether                                                  | 74398-71-3 | -                                      | -                           |
| Modified Silicone Dioxide                                                  | 67762-90-7 | -                                      | -                           |
| Titanium dioxide                                                           | 13463-67-7 | -                                      | -                           |
| Quartz                                                                     | 14808-60-7 | -                                      | -                           |
| Modified Bisphenol Resin Mixture                                           | 68909-14-8 | -                                      | -                           |
| Methanol                                                                   | 67-56-1    | 5000 lb<br>2270 kg                     | 1.0 %                       |
| Glycidoxypropyl-Trimethoxysilane                                           | 2530-83-8  | -                                      | -                           |
| ethanediol                                                                 | 107-21-1   | 5000 lb<br>2270 kg                     | 1.0 %                       |
| Epichlorohydrin-polyglycerol polymer                                       | 26142-30-3 | -                                      | -                           |
| Calcium Carbonate                                                          | 1317-65-3  | -                                      | -                           |

### US EPA SARA 311/312 hazardous categorization

Not available

| Chemical name                            | DSL/NDSL | Inventory - United States -<br>Section 8(b) Inventory (TSCA) | U.S. - TSCA (Toxic<br>Substances Control Act) -<br>Section 12(b) - Export<br>Notification |
|------------------------------------------|----------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Bisphenol A - Epichlorohydrin polymer    | X        | X                                                            | -                                                                                         |
| Diglycidyl Ether Bisphenol A Epoxy Resin | X        | X                                                            | -                                                                                         |
| Oxirane,                                 | X        | X                                                            | -                                                                                         |

| Chemical name                                                  | DSL/NDSL | Inventory - United States -<br>Section 8(b) Inventory (TSCA) | U.S. - TSCA (Toxic<br>Substances Control Act) -<br>Section 12(b) - Export<br>Notification |
|----------------------------------------------------------------|----------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 2,2'-[(2,2-dimethyl-1,3-propanediyl)bis<br>(oxymethylene)]bis- |          |                                                              |                                                                                           |
| Castor oil glycidyl ether                                      | X        | X                                                            | -                                                                                         |
| Modified Silicone Dioxide                                      | X        | X                                                            | -                                                                                         |
| Titanium dioxide                                               | X        | X                                                            | -                                                                                         |
| Quartz                                                         | X        | X                                                            | -                                                                                         |
| Modified Bisphenol Resin Mixture                               | X        | X                                                            | -                                                                                         |
| Methanol                                                       | X        | X                                                            | -                                                                                         |
| Glycidoxypropyl-Trimethoxysilane                               | X        | X                                                            | -                                                                                         |
| ethanediol                                                     | X        | X                                                            | -                                                                                         |
| Epichlorohydrin-polyglycerol polymer                           | X        | X                                                            | -                                                                                         |
| Calcium Carbonate                                              | X        | X                                                            | -                                                                                         |

Legend X - Listed

## 16. OTHER INFORMATION

### NFPA

|              |   |
|--------------|---|
| Health       | 2 |
| Flammability | 1 |
| Instability  | 0 |

### HMIS

|                  |   |
|------------------|---|
| Health           | 2 |
| Flammability     | 1 |
| Physical hazards | 0 |

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

**Prepared by** Regulatory Affairs

**Issue date** 10-Apr-2019

**Revision date** 10-Apr-2019

### Revision note

### Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)  
 ATE (Average Toxicity Estimate)  
 DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)  
 HMIS (Hazardous Materials Identification System)  
 IARC (International Agency for Research on Cancer)  
 IATA (International Air Transport Association)  
 IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)  
 NFPA (National Fire Protection Association)  
 NTP (National Toxicology Program)  
 OEL (Occupational Exposure Level)  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 PEL (Permissible Exposure Limit)

TSCA (Toxic Substance Control Act)  
USEPA (United States Environmental Protection Agency)

**Disclaimer**

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

**End of Safety Data Sheet**