# **SAFETY DATA SHEET**



### The information in this Safety Data Sheet is required pursuant to Hazardous Product Regulations 2015.

Date of issue/Date of revision8 September 2023Version 10.01

| Section 1. Identification        |   |  |
|----------------------------------|---|--|
| Product name                     | : KEELOCK HI-SOLIDS EPOXY BARN RED  |  |
| Product code                     | : KL96000935  |  |
| Other means of identification    | : Not available.  |  |
| Product type                     | : Liquid.   |  |
| Relevant identified uses of      | f the substance or mixture and uses advised against   |  |
| Product use                      | : Industrial applications, Used by spraying.  |  |
| Use of the substance/<br>mixture | : Coating.  |  |
| Uses advised against             | : Not applicable.   |  |
| Supplier                         | <ul> <li>PPG Architectural Coatings Canada, Inc.<br/>1550, rue Ampère, bureau 500<br/>Boucherville (Québec) J4B 7L4<br/>Canada<br/>+1 450-655-3121</li> </ul>   |  |
|                                  | PPG Industries, Inc.<br>One PPG Place<br>Pittsburgh, PA 15272   |  |
| Emergency telephone<br>number    | : (412) 434-4515 (U.S.)<br>(514) 645-1320 (Canada)<br>SETIQ Interior de la República: 800-00-214-00 (México)<br>SETIQ Ciudad de México: (55) 5559-1588 (México) |  |
| Technical Phone Number           | : 888-977-4762  |  |

# Section 2. Hazard identification

| Classification of the<br>substance or mixture | : FLAMMABLE LIQUIDS - Category 3<br>SKIN IRRITATION - Category 2 |
|---|--|
|   | EYE IRRITATION - Category 2A                                     |
|   | SKIN SENSITIZATION - Category 1B                                 |
|   | CARCINOGENICITY - Category 1                                     |
|   | TOXIC TO REPRODUCTION - Category 2                               |
|   | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1  |
|   | Health Hazards Not Otherwise Classified - Category 1             |
| GHS labol alamante                            |  |

**GHS label elements** 

Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 2. Hazard identification

| Hazard pictograms              |   |   |
|--------------------------------|---|---|
|                                |   |   |
| Signal word                    | 1 | Danger  |
| Hazard statements              | : | Flammable liquid and vapor.<br>Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>May cause cancer.<br>Suspected of damaging fertility or the unborn child.<br>Causes damage to organs through prolonged or repeated exposure. (hearing<br>organs)<br>Prolonged or repeated contact may dry skin and cause irritation.  |
| Precautionary statements       |   |   |
| Prevention                     | : | Obtain special instructions before use. Do not handle until all safety precautions<br>have been read and understood. Wear protective gloves, protective clothing and<br>eye or face protection. Keep away from heat, hot surfaces, sparks, open flames<br>and other ignition sources. No smoking. Do not breathe vapor. Do not eat, drink or<br>smoke when using this product. Wash thoroughly after handling. Contaminated<br>work clothing should not be allowed out of the workplace.  |
| Response                       | : | IF exposed or concerned: Get medical advice or attention. IF ON SKIN (or hair):<br>Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN:<br>Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or<br>attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove<br>contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists:<br>Get medical advice or attention.  |
| Storage                        | : | Store locked up.  |
| Disposal                       | : | Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| Supplemental label<br>elements | : | Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 33.3% (oral), 48.6% (dermal), 72.8% (inhalation) |

# Section 3. Composition/information on ingredients

| Substance/mixture                | : Mixture                          |
|----------------------------------|------------------------------------|
| Product name                     | : KEELOCK HI-SOLIDS EPOXY BARN RED |
| Other means of<br>identification | : Not available.                   |

### **CAS number/other identifiers**

# Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 3. Composition/information on ingredients

| bits-[4-(2,3-epoxipropoxi)phenyl]<br>propane2,2'-[(1-methylethylidene)bis<br>(4,1-phenyleneoxymethylene)]bisoxirane;<br>Oxirane, 2,2'-[(1-methylethylidene)bis<br>(4,1-phenyleneoxymethylene)]biso;<br>Bisphenol A diglycidyl ether; Bisphenol A,<br>diglycidyl ether; Bisphenol A,<br>diglycidyl ether; Bisphenol A,<br>2,2-bis(1-(2,3-epoxypropoxy)<br>phenyl]propane; 2,2-bis[4-<br>(2,3-epoxypropoxy))<br>phenyl); diglycidyl ether of bisphenol-A;<br>2,2-bis(4-hydroxyphenyl) propane bis<br>(2,3-epoxypropyl) ether; Araldite;<br>DIPHENYLOL PROPANE DIGLYCIDYL<br>ETHERcrystalline silica, respirable powder<br>(<10 microns)alpha-quartz; Silica, crystalline (quartz);<br>Silica, Crystalline Quartz; Silica-<br>Crystalline Quartz; Silica-<br>Crystalline : Quartz; Silica,<br>Crystalline : Quartz; | 15 - 40<br>10 - 30* | 1675-54-3  |
|---|---------------------|------------|
| <ul> <li>(&lt;10 microns)</li> <li>Silica, Črystalline Quartz; SILICA,<br/>CRYSTALLINE, QUARTZ; Silica-<br/>Crystalline, Quartz; Silica - Crystalline<br/>Quartz; Silica-Crystalline : Quartz; Silica,<br/>crystalline - quartz</li> <li>diiron trioxide</li> <li>Iron oxide (Fe2O3); Iron oxide; C.I.<br/>Pigment Red 101; Ferric oxide; Iron oxide<br/>anhydrous; Iron oxide, red; Iron<br/>sesquioxide; Iron trioxide; Iron oxide dust<br/>and fume (as Fe); Rouge; iron oxide dust<br/>and fume</li> <li>1-methoxy-2-propanol</li> <li>monopropylene glycol methyl ether;<br/>1-methoxy-; Propylene glycol momethyl<br/>ether; Dowtherm 209; Propylene glycol<br/>methyl ether; 1-Methoxy-<br/>2-hydroxypropane; 2-Methoxy-<br/>1-methylethanol; PGME; mixture<br/>containing by weight: — 69 % or more bu<br/>not more than 71 % of 1-methoxypropan-<br/>2-ol (CAS RN 107-98-2), — 29 % or more<br/>but not more than 31 % of 2-methoxy-<br/>1-methylethyl acetate (CAS RN 108-65-6)<br/>methoxyisopropanol</li> <li>xylene</li> </ul>   | 10 - 30*            |            |
| Pigment Red 101; Ferric oxide; Iron oxide<br>anhydrous; Iron oxide, red; Iron<br>sesquioxide; Iron trioxide; Iron oxide dust<br>and fume (as Fe); Rouge; iron oxide dust<br>and fume1-methoxy-2-propanolmonopropylene glycol methyl ether;<br>1-methoxypropan-2-ol; 2-Propanol,<br>1-methoxy-; Propylene glycol monomethy<br>ether; Dowtherm 209; Propylene glycol<br>methyl ether; 1-Methoxy-<br>2-hydroxypropane; 2-Methoxy-<br>1-methylethanol; PGME; mixture<br>containing by weight: — 69 % or more bu<br>not more than 71 % of 1-methoxypropan-<br>2-ol (CAS RN 107-98-2), — 29 % or more<br>but not more than 31 % of 2-methoxy-<br>1-methylethyl acetate (CAS RN 108-65-6)<br>methoxyisopropanolxyleneBenzene, dimethyl-; Xylol; xylene, mixed  |                     | 14808-60-7 |
| 1-methoxypropan-2-ol; 2-Propanol,<br>1-methoxy-; Propylene glycol monomethy<br>ether; Dowtherm 209; Propylene glycol<br>methyl ether; 1-Methoxy-<br>2-hydroxypropane; 2-Methoxy-<br>1-methylethanol; PGME; mixture<br>containing by weight: — 69 % or more bu<br>not more than 71 % of 1-methoxypropan-<br>2-ol (CAS RN 107-98-2), — 29 % or more<br>but not more than 31 % of 2-methoxy-<br>1-methylethyl acetate (CAS RN 108-65-6)<br>methoxyisopropanolxyleneBenzene, dimethyl-; Xylol; xylene, mixed  | 7 - 13*             | 1309-37-1  |
|   | 1 - 5*              | 107-98-2   |
| dimethyl-,; Xylene (mixed); Xylenes;<br>Dimethylbenzene; XYLENES (Isomer<br>Mixture); xylene (mixture), including m-<br>xylene, o-xylene, p-xylene; XYLENE,<br>mixture of isomers   | 1 - 5*              | 1330-20-7  |
| n-butyl acetate Acetic acid, butyl ester; Butyl Acetate; n-<br>Butyl-acetate; Butyl ethanoate; n-Butyl<br>ester of acetic acid; product composed of<br>hydrocarbons (predominantly paraffinic<br>and naphthenic) and n-butyl acetate;   | 1 - 5*              | 123-86-4   |

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 3. Composition/information on ingredients

|  | 1-butyl acetate; 1-Acetoxybutane; Butyl<br>ester, Acetic acid; normal butyl acetate;<br>Acetic acid, n-butyl ester   |            |            |
|--|--|------------|------------|
| oxirane, mono[(C12-14-alkyloxy)<br>methyl] derivs.     | Oxirane, 2-[(C12-14-alkyloxy)methyl]<br>derivs.; Alkyl (C12-C14) Glycidyl Ether;<br>Oxirane, mono[(C12-14-alkyloxy)methyl]<br>derivatives; (C12-14) Alkylglycidyl ether;<br>Oxirane, mono((C12-14-alkyloxy)methyl)<br>derivatives; Alkyl -C12-14-glycidyl ether;<br>oxirane, mono[(C12-14-alkyloxy)methyl]<br>derivs; Oxirane, mono[(alkyl(C=12-14)oxy)<br>methyl] derivs.; Glycidol derivatives;<br>C12-14-ALKYL GLYCIDYL ETHER; Alkyl<br>(C12, C14) glycidyl ether   | 1 - 5*     | 68609-97-2 |
| ethylbenzene   | Benzene, ethyl-; Phenylethane;<br>Ethylbenzol; photosensitive emulsion<br>consisting of cyclized polyisoprene<br>containing: — 55 % or more but not more<br>than 75 % by weight of xylene (CAS RN<br>1330-20-7) and — 12 % or more but not<br>more than 18 % by weight of<br>ethylbenzene (CAS RN 100-41-4); EB;<br>Mono-(or di-) methyl (ethyl,bromoallyl,<br>bromopropyloxycarbonyl<br>orchloropropyloxycarbonyl) benzene  | 0.5 - 1.5* | 100-41-4   |
| crystalline silica, respirable powder<br>(>10 microns) | alpha-quartz; Silica, crystalline (quartz);<br>Silica, Crystalline Quartz; SILICA,<br>CRYSTALLINE, QUARTZ; Silica-<br>Crystalline, Quartz; Silica - Crystalline<br>Quartz; Silica-Crystalline : Quartz; Silica,<br>crystalline - quartz  | 0.1 - 1*   | 14808-60-7 |
| toluene  | Benzene, methyl-; Methylbenzene; Toluol;<br>Phenyl methane; Methyl benzol; toluene,<br>pure; preparation consisting of: — 80 %<br>or more but not more than 90 % by weight<br>of (S)-hydroxy-3-phenoxy-<br>benzeneacetonitrile (CAS RN 61826-76-4)<br>and — 10 % or more but not more than<br>20 % by weight of toluene (CAS<br>RN108-88-3); toluene, crude; preparation<br>containing by weight: — 15 % or more but<br>not more than 60 % of styrene butadiene<br>copolymers or styrene isoprene<br>copolymers and — 10 % or more but not<br>more than 30 % of pinene polymers or<br>pentadiene copolymers dissolved in: —<br>methyl ethyl ketone (CAS RN 78-93-3) —<br>heptane (CAS RN 142-82-5), and —<br>toluene (CAS RN 108-88-3) or light<br>aliphatic solvent naphta (CAS RN<br>64742-89-8); methacide; Cuminyl alcohol | 0.1 - 1*   | 108-88-3   |

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# Section 3. Composition/information on ingredients

\*Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

SUB codes represent substances without registered CAS Numbers.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

# Section 4. First-aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### **Description of necessary first aid measures**

| Eye contact  | <ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the<br/>eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>  |
|--------------|--|
| Inhalation   | <ul> <li>Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is<br/>irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by<br/>trained personnel.</li> </ul> |
| Skin contact | <ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and<br/>water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>   |
| Ingestion    | <ul> <li>If swallowed, seek medical advice immediately and show this container or label.</li> <li>Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>   |

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

### Potential acute health effects Eye contact : Causes serious eye irritation. : No known significant effects or critical hazards. Inhalation Skin contact : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction. Ingestion : No known significant effects or critical hazards. **Over-exposure signs/symptoms** Eye contact : Adverse symptoms may include the following: pain or irritation watering redness : Adverse symptoms may include the following: Inhalation reduced fetal weight increase in fetal deaths skeletal malformations Skin contact : Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations Ingestion : Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 4. First-aid measures

# Indication of immediate medical attention and special treatment needed, if necessaryNotes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large<br/>quantities have been ingested or inhaled.Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it<br/>is suspected that fumes are still present, the rescuer should wear an appropriate<br/>mask or self-contained breathing apparatus. It may be dangerous to the person<br/>providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing<br/>thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

| Extinguishing media                            |  |
|--|--|
| Suitable extinguishing media                   | : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.   |
| Unsuitable extinguishing media                 | : Do not use water jet.  |
| Specific hazards arising from the chemical     | : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.<br>In a fire or if heated, a pressure increase will occur and the container may burst, with<br>the risk of a subsequent explosion.  |
| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon oxides<br>halogenated compounds<br>metal oxide/oxides  |
| Special protective actions for fire-fighters   | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | <ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained<br/>breathing apparatus (SCBA) with a full face-piece operated in positive pressure<br/>mode.</li> </ul>  |

# Section 6. Accidental release measures

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

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 6. Accidental release measures

| Environmental precautions | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|---------------------------|---|---|
|                           |   |   |

### Methods and materials for containment and cleaning up

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

# Section 7. Handling and storage

### Precautions for safe handling

| Protective measures                    | : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--|---|
| Special precautions                    | : Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.   |
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.   |

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 7. Handling and storage

| Conditions for safe storage,<br>including any<br>incompatibilities | : Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |
|--|---|
|--|---|

# Section 8. Exposure controls/personal protection

### **Control parameters**

| Ingredient name  | Exposure limits   |  |  |
|--|---|--|--|
| pis-[4-(2,3-epoxipropoxi)phenyl]propane<br>crystalline silica, respirable powder (<10 microns) | None.<br>CA British Columbia Provincial (Cana<br>6/2022). [Silica, Crystalline - alpha qu<br>and Cristobalite Respirable]<br>TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form:<br>Respirable<br>CA Ontario Provincial (Canada, 6/201<br>[Silica, Crystalline (Quartz/Tripoli)]<br>TWA: 0.1 mg/m <sup>3</sup> 8 hours. Form: Respi<br>CA Quebec Provincial (Canada, 6/202<br>[Silica Crystalline -Quartz]<br>TWAEV: 0.1 mg/m <sup>3</sup> 8 hours. Form:<br>Respirable dust.<br>CA Alberta Provincial (Canada, 6/201<br>8 hrs OEL: 0.025 mg/m <sup>3</sup> 8 hours. Form:<br>Respirable particulate<br>CA Saskatchewan Provincial (Canada<br>7/2013).<br>TWA: 0.05 mg/m <sup>3</sup> 8 hours. Form:<br>respirable fraction |  |  |
| diiron trioxide  | <ul> <li>CA Alberta Provincial (Canada, 6/2018).<br/>8 hrs OEL: 5 mg/m³, (as Fe) 8 hours. Form<br/>Respirable</li> <li>CA Ontario Provincial (Canada, 6/2019).<br/>TWA: 5 mg/m³ 8 hours. Form: Respirable<br/>particulate matter.</li> <li>CA British Columbia Provincial (Canada,<br/>6/2022).</li> <li>TWA: 10 mg/m³ 8 hours. Form: Total dust</li> <li>CA Quebec Provincial (Canada, 6/2022).</li> <li>TWAEV: 5 mg/m³, (as Fe) 8 hours. Form:<br/>dust and fume</li> <li>CA Saskatchewan Provincial (Canada,<br/>7/2013).</li> <li>STEL: 10 mg/m³, (measured as Fe) 15<br/>minutes. Form: dust and fume</li> <li>TWA: 5 mg/m³, (measured as Fe) 8 hours.</li> </ul>  |  |  |
| 1-methoxy-2-propanol   | CA Alberta Provincial (Canada, 6/2018).   |  |  |

Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 8. Exposure controls/personal protection

|                 | 15 min OEL: 553 mg/m <sup>3</sup> 15 minutes.<br>15 min OEL: 150 ppm 15 minutes.<br>8 hrs OEL: 369 mg/m <sup>3</sup> 8 hours.<br>8 hrs OEL: 100 ppm 8 hours.<br><b>CA British Columbia Provincial (Canada,<br/>6/2022).</b><br>STEL: 100 ppm 15 minutes.<br>TWA: 50 ppm 8 hours.<br><b>CA Ontario Provincial (Canada, 6/2019).</b><br>STEL: 100 ppm 15 minutes.<br>TWA: 50 ppm 8 hours.<br><b>CA Quebec Provincial (Canada, 6/2022).</b><br>STEV: 553 mg/m <sup>3</sup> 15 minutes.<br>STEV: 150 ppm 15 minutes.<br>TWAEV: 369 mg/m <sup>3</sup> 8 hours.<br>TWAEV: 369 mg/m <sup>3</sup> 8 hours.<br>TWAEV: 100 ppm 8 hours.<br><b>CA Saskatchewan Provincial (Canada,<br/>7/2013).</b><br>STEL: 150 ppm 15 minutes.<br>TWA: 100 ppm 8 hours.  |
|-----------------|---|
| xylene          | CA Alberta Provincial (Canada, 6/2018).<br>[Dimethylbenzene (o,m & p isomers)]<br>15 min OEL: 651 mg/m <sup>3</sup> 15 minutes.<br>15 min OEL: 150 ppm 15 minutes.<br>8 hrs OEL: 434 mg/m <sup>3</sup> 8 hours.<br>8 hrs OEL: 100 ppm 8 hours.<br>CA British Columbia Provincial (Canada,<br>6/2022). [Xylene (o, m & p isomers)]<br>STEL: 150 ppm 15 minutes.<br>TWA: 100 ppm 8 hours.<br>CA Quebec Provincial (Canada, 6/2022).<br>[Xylene (o-,m-,p- isomers)]<br>STEV: 651 mg/m <sup>3</sup> 15 minutes.<br>STEV: 150 ppm 15 minutes.<br>TWAEV: 434 mg/m <sup>3</sup> 8 hours.<br>TWAEV: 434 mg/m <sup>3</sup> 8 hours.<br>TWAEV: 100 ppm 8 hours.<br>CA Ontario Provincial (Canada, 6/2019).<br>[Xylene (o-, m-, p-isomers)]<br>STEL: 150 ppm 15 minutes.<br>TWA: 100 ppm 8 hours.<br>CA Saskatchewan Provincial (Canada,<br>7/2013). [Xylene (o, m-, p-isomers)]<br>STEL: 150 ppm 15 minutes.<br>TWA: 100 ppm 8 hours. |
| n-butyl acetate | CA Alberta Provincial (Canada, 6/2018).<br>Skin sensitizer.<br>15 min OEL: 950 mg/m <sup>3</sup> 15 minutes.<br>15 min OEL: 200 ppm 15 minutes.<br>8 hrs OEL: 713 mg/m <sup>3</sup> 8 hours.<br>8 hrs OEL: 150 ppm 8 hours.<br>CA Saskatchewan Provincial (Canada,<br>7/2013).<br>STEL: 200 ppm 15 minutes.<br>TWA: 150 ppm 8 hours.<br>CA Ontario Provincial (Canada, 6/2019).   |

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

### Section 8. Exposure controls/personal protection [butyl acetates, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). [butyl acetate, all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). [butyl acetates (all isomers)] STEV: 150 ppm 15 minutes. TWAEV: 50 ppm 8 hours. oxirane, mono[(C12-14-alkyloxy)methyl] derivs. None. CA Alberta Provincial (Canada, 6/2018). ethylbenzene 15 min OEL: 543 mg/m<sup>3</sup> 15 minutes. 15 min OEL: 125 ppm 15 minutes. 8 hrs OEL: 434 mg/m<sup>3</sup> 8 hours. 8 hrs OEL: 100 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 6/2022). TWAEV: 20 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours. crystalline silica, respirable powder (>10 microns) CA British Columbia Provincial (Canada, 6/2022). [Silica, Crystalline - alpha quartz and Cristobalite Respirable] TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable CA Ontario Provincial (Canada, 6/2019). [Silica, Crystalline (Quartz/Tripoli)] TWA: 0.1 mg/m<sup>3</sup> 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2022). [Silica Crystalline -Quartz] TWAEV: 0.1 mg/m<sup>3</sup> 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable particulate CA Saskatchewan Provincial (Canada, 7/2013). TWA: 0.05 mg/m<sup>3</sup> 8 hours. Form: respirable fraction toluene CA Alberta Provincial (Canada, 6/2018). Absorbed through skin. 8 hrs OEL: 188 mg/m<sup>3</sup> 8 hours. 8 hrs OEL: 50 ppm 8 hours. CA British Columbia Provincial (Canada, 6/2022). TWA: 20 ppm 8 hours. Canada Page: 10/19

Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 8. Exposure controls/personal protection

|                                     | CA Ontario Provincial (Canad<br>TWA: 20 ppm 8 hours.<br>CA Quebec Provincial (Canad<br>TWAEV: 20 ppm 8 hours.<br>CA Saskatchewan Provincial<br>7/2013). Absorbed through sk<br>STEL: 60 ppm 15 minutes.<br>TWA: 50 ppm 8 hours.  | la, 6/2022).<br>(Canada,   |
|-------------------------------------|--|--|
| Consult local authorities for       | table exposure limits.   |  |
| Recommended monitoring procedures   | ference should be made to appropriate monitoring standards. Refe<br>tional guidance documents for methods for the determination of haz<br>bstances will also be required.  |  |
| Appropriate engineering<br>controls | se only with adequate ventilation. Use process enclosures, local exi-<br>entilation or other engineering controls to keep worker exposure to a<br>ontaminants below any recommended or statutory limits. The engine<br>so need to keep gas, vapor or dust concentrations below any lower<br>nits. Use explosion-proof ventilation equipment.   | irborne<br>eering controls   |
| Environmental exposure controls     | nissions from ventilation or work process equipment should be check<br>ey comply with the requirements of environmental protection legislat<br>uses, fume scrubbers, filters or engineering modifications to the proc<br>puipment will be necessary to reduce emissions to acceptable levels   | ion. In some<br>ess  |
| Individual protection measu         |  |  |
| Hygiene measures                    | ash hands, forearms and face thoroughly after handling chemical plating, smoking and using the lavatory and at the end of the working popropriate techniques should be used to remove potentially contaminated work clothing should not be allowed out of the workplace ontaminated clothing before reusing. Ensure that eyewash stations a nowers are close to the workstation location.  | period.<br>nated clothing<br>ce. Wash                                    |
| Eye/face protection                 | nemical splash goggles.  |  |
| Skin protection                     |  |  |
| Hand protection                     | nemical-resistant, impervious gloves complying with an approved state<br>worn at all times when handling chemical products if a risk assess<br>is is necessary. Considering the parameters specified by the glove<br>neck during use that the gloves are still retaining their protective prop<br>would be noted that the time to breakthrough for any glove material n<br>fferent for different glove manufacturers. In the case of mixtures, co<br>everal substances, the protection time of the gloves cannot be accur<br>stimated. | ment indicates<br>manufacturer,<br>perties. It<br>nay be<br>pnsisting of |
| Gloves                              | ityl rubber  |  |
| Body protection                     | ersonal protective equipment for the body should be selected based<br>sing performed and the risks involved and should be approved by a s<br>fore handling this product. When there is a risk of ignition from stat<br>ear anti-static protective clothing. For the greatest protection from s<br>scharges, clothing should include anti-static overalls, boots and glov   | specialist<br>ic electricity,<br>tatic                                   |
| Other skin protection               | opropriate footwear and any additional skin protection measures sho<br>elected based on the task being performed and the risks involved an<br>oproved by a specialist before handling this product.  |  |

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 8. Exposure controls/personal protection

| Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. |
|--|
|  |

# Section 9. Physical and chemical properties

| Appearance                                   |               |                   |                    |  |  |  |
|--|---------------|-------------------|--------------------|--|--|--|
| Physical state                               | : Liquid.     |                   |                    |  |  |  |
| Color  | : Not availal | ole.              |                    |  |  |  |
| Odor   | : Characteri  | stic.             |                    |  |  |  |
| Odor threshold                               | : Not availal |                   |                    |  |  |  |
| рН   | : Not applica |                   |                    |  |  |  |
| Melting point                                | : Not availal |                   |                    |  |  |  |
| Boiling point                                | : >37.78°C    | >100°F)           |                    |  |  |  |
| Flash point                                  | : Closed cu   | o: 36.67°C (98°F) |                    |  |  |  |
| Auto-ignition temperature                    | : Not availal | ole.              |                    |  |  |  |
| Decomposition temperature                    | : Not availal | ole.              |                    |  |  |  |
| Flammability                                 | : Not availa  | ole.              |                    |  |  |  |
| Lower and upper explosive (flammable) limits | : Not availal | ble.              |                    |  |  |  |
| Evaporation rate                             | : 0.74 (butyl | acetate = 1)      |                    |  |  |  |
| Vapor pressure                               | : 1.2 kPa (9  | 2 mm Hg)          |                    |  |  |  |
| Vapor density                                | : Not availal | ole.              |                    |  |  |  |
| Relative density                             | : 1.48        |                   |                    |  |  |  |
| Density(lbs / gal)                           | : 12.35       |                   |                    |  |  |  |
| Solubility(ies)                              | Media         |                   | Result             |  |  |  |
| Solubility(les)                              | . cold water  |                   | Not soluble        |  |  |  |
| Partition coefficient: n-<br>octanol/water   | : Not applica | ble.              |                    |  |  |  |
| Viscosity                                    | : Kinematic   | (40°C (104°F)): > | 21 mm²/s (>21 cSt) |  |  |  |
| Volatility                                   | : 24% (v/v),  | 14.37% (w/w)      |                    |  |  |  |
| % Solid. (w/w)                               | : 85.63       |                   |                    |  |  |  |

# Section 10. Stability and reactivity

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|--|
| Chemical stability                 | : The product is stable.   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.            |
| Conditions to avoid                | : When exposed to high temperatures may produce hazardous decomposition products.            |
|                                    | Canada Page: 12/19   |

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### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 10. Stability and reactivity

Refer to protective measures listed in sections 7 and 8.

| Incompatible materials           |   | Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.              |
|----------------------------------|---|---|
| Hazardous decomposition products | : | Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds metal oxide/oxides |

# Section 11. Toxicological information

### Information on toxicological effects

### Acute toxicity

| Product/ingredient name   | Result                          | Species | Dose                | Exposure |
|---------------------------|---------------------------------|---------|---------------------|----------|
| pis-[4-(2,3-epoxipropoxi) | LD50 Dermal                     | Rabbit  | 23000 mg/kg         | -        |
| phenyl]propane            |                                 |         |                     |          |
|                           | LD50 Oral                       | Rat     | 15000 mg/kg         | -        |
| diiron trioxide           | LC50 Inhalation Dusts and mists | Rat     | >5 mg/l             | 4 hours  |
|                           | LD50 Oral                       | Rat     | 10 g/kg             | -        |
| 1-methoxy-2-propanol      | LC50 Inhalation Vapor           | Rat     | >7000 ppm           | 6 hours  |
|                           | LD50 Dermal                     | Rabbit  | 13 g/kg             | -        |
|                           | LD50 Oral                       | Rat     | 5.2 g/kg            | -        |
| xylene                    | LD50 Dermal                     | Rabbit  | 1.7 g/kg            | -        |
| -                         | LD50 Oral                       | Rat     | 4.3 g/kg            | -        |
| n-butyl acetate           | LC50 Inhalation Vapor           | Rat     | >21.1 mg/l          | 4 hours  |
| -                         | LC50 Inhalation Vapor           | Rat     | 2000 ppm            | 4 hours  |
|                           | LD50 Dermal                     | Rabbit  | >17600 mg/kg        | -        |
|                           | LD50 Oral                       | Rat     | 10.768 g/kg         | -        |
| oxirane, mono[            | LD50 Oral                       | Rat     | 17100 mg/kg         | -        |
| (C12-14-alkyloxy)methyl]  |                                 |         |                     |          |
| derivs.                   |                                 |         |                     |          |
| ethylbenzene              | LC50 Inhalation Vapor           | Rat     | 17.8 mg/l           | 4 hours  |
| -                         | LD50 Dermal                     | Rabbit  | 17.8 g/kg           | -        |
|                           | LD50 Oral                       | Rat     | 3.5 g/kg            | -        |
| toluene                   | LC50 Inhalation Vapor           | Rat     | 49 g/m <sup>3</sup> | 4 hours  |
|                           | LD50 Dermal                     | Rabbit  | 8.39 g/kg           | -        |
|                           | LD50 Oral                       | Rat     | 5580 mg/kg          | -        |

**Conclusion/Summary** : There are no data available on the mixture itself.

### Irritation/Corrosion

| Product/ingredient name                     | Result                                | Species | Score | Exposure     | Observation |
|---|---------------------------------------|---------|-------|--------------|-------------|
| øis-[4-(2,3-epoxipropoxi)<br>phenyl]propane | Eyes - Mild irritant                  | Rabbit  | -     | 24 hours     | -           |
|   | Eyes - Redness of the<br>conjunctivae | Rabbit  | 0.4   | 24 hours     | -           |
|   | Skin - Edema                          | Rabbit  | 0.5   | 4 hours      | -           |
|   | Skin - Erythema/Eschar                | Rabbit  | 0.8   | 4 hours      | -           |
|   | Skin - Mild irritant                  | Rabbit  | -     | 4 hours      | -           |
| xylene                                      | Skin - Moderate irritant              | Rabbit  | -     | 24 hours 500 | -           |
| -   |                                       |         |       | mg           |             |

- Conclusion/Summary
- Skin Eyes

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 11. Toxicological information

### **Sensitization**

| Product/ingredient name                               | Route<br>expos  |           | Specie     | S              | Result        |  |  |
|---|---|-----------|------------|----------------|---------------|--|--|
| bis-[4-(2,3-epoxipropoxi)<br>phenyl]propane           | skin  |           | Mouse      |                | Sensitizing   |  |  |
| oxirane, mono[<br>(C12-14-alkyloxy)methyl]<br>derivs. | skin  |           | Guinea     | ı pig          | Sensitizing   |  |  |
| Skin  | Skin : There are no data available on the mixture itself. |           |            |                |               |  |  |
| Respiratory   | : The   | re are no | data avail | able on the mi | xture itself. |  |  |
| Mutagenicity  |   |           |            |                |               |  |  |
| <b>Conclusion/Summary</b>                             | : The   | re are no | data avail | able on the mi | xture itself. |  |  |
| Carcinogenicity                                       |   |           |            |                |               |  |  |
| <b>Conclusion/Summary</b>                             | ary : There are no data available on the mixture itself.  |           |            |                |               |  |  |
| <b>Classification</b>                                 |   |           |            |                |               |  |  |
| Product/ingredient name                               |   | OSHA      | IARC       | NTP            |               |  |  |
| No. [4. (2.2. opovipropovi)pho                        | nul]  |           | 2          |                |               |  |  |

| USHA | IARC                       | NIP                                     |
|------|----------------------------|---|
| -    | 3                          | -                                       |
|      |                            |   |
| -    | 1                          | Known to be a human carcinogen.         |
|      | 2                          |   |
| -    | 3                          | -                                       |
|      | 2B                         | -                                       |
| -    | 1                          | Known to be a human carcinogen.         |
|      |                            | 5                                       |
| -    | 3                          | -                                       |
|      | -<br>-<br>-<br>-<br>-<br>- | - 3<br>- 1<br>- 3<br>- 3<br>- 2B<br>- 1 |

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

### **Reproductive toxicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

### **Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

| Name                           | •••                      | Route of exposure | Target organs                                       |
|--------------------------------|--------------------------|-------------------|---|
| 1-methoxy-2-propanol<br>xylene | Category 3<br>Category 3 | -                 | Narcotic effects<br>Respiratory tract<br>irritation |
| n-butyl acetate<br>toluene     | Category 3<br>Category 3 | -                 | Narcotic effects<br>Narcotic effects                |

Specific target organ toxicity (repeated exposure)

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 11. Toxicological information

| Name  | Category   | Route of exposure | Target organs  |
|---|------------|-------------------|----------------|
| crystalline silica, respirable powder (<10 microns) | Category 1 | inhalation        | -              |
| ethylbenzene  | Category 2 | -                 | hearing organs |
| toluene   | Category 2 | -                 | -              |

Target organs

: Contains material which causes damage to the following organs: liver, spleen, brain, bone marrow.

Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, heart, upper respiratory tract, immune system, skin, central nervous system (CNS), ears, eye, lens or cornea.

### Aspiration hazard

| Name         | Result   |
|--------------|--|
| ethylbenzene | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1 |

### Information on the likely routes of exposure

### Potential acute health effects

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

### **Over-exposure signs/symptoms**

| Eye contact  | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness  |
|--------------|---|
| Inhalation   | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Skin contact | : Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| Ingestion    | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |

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

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 11. Toxicological information

| Conclusion/Summary             | :   | There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. |
|--------------------------------|-----|--|
| Short term exposure            |     |  |
| Potential immediate effects    | :   | There are no data available on the mixture itself.   |
| Potential delayed effects      | :   | There are no data available on the mixture itself.   |
| <u>Long term exposure</u>      |     |  |
| Potential immediate<br>effects | :   | There are no data available on the mixture itself.   |
| Potential delayed effects      | :   | There are no data available on the mixture itself.   |
| Potential chronic health effe  | ect | <u>S</u>   |
| General                        | :   | Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.   |
| Carcinogenicity                | :   | May cause cancer. Risk of cancer depends on duration and level of exposure.  |
| Mutagenicity                   | :   | No known significant effects or critical hazards.  |
| Reproductive toxicity          | :   | Suspected of damaging fertility or the unborn child.   |

### Numerical measures of toxicity

### Acute toxicity estimates

| Product/ingredient name                        | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|--|------------------|-------------------|--------------------------------|----------------------------------|--|
| KEELOCK HI-SOLIDS EPOXY BARN RED               | 50510.8          | 21427.5           | N/A                            | 61.4                             | 7.6  |
| bis-[4-(2,3-epoxipropoxi)phenyl]propane        | 15000            | 23000             | N/A                            | N/A                              | N/A  |
| diiron trioxide                                | 10000            | N/A               | N/A                            | N/A                              | N/A  |
| 1-methoxy-2-propanol                           | 5200             | 13000             | N/A                            | N/A                              | N/A  |
| xylene   | 4300             | 1700              | N/A                            | 11                               | 1.5  |
| n-butyl acetate                                | 10768            | N/A               | N/A                            | N/A                              | N/A  |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | 17100            | N/A               | N/A                            | N/A                              | N/A  |
| ethylbenzene                                   | 3500             | 17800             | N/A                            | 17.8                             | 1.5  |
| toluene  | 5580             | 8390              | N/A                            | 49                               | N/A  |

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 12. Ecological information

### **Toxicity**

| Product/ingredient name                               | Result   | Species  | Exposure      |
|---|--|--|---------------|
| bis-[4-(2,3-epoxipropoxi)<br>phenyl]propane           | Acute LC50 1.8 mg/l Fresh water                                    | Daphnia - <i>daphnia magna</i>                 | 48 hours      |
|   | Chronic NOEC 0.3 mg/l  | Daphnia  | 21 days       |
| diiron trioxide                                       | Acute EC50 >100 mg/l   | Daphnia  | 48 hours      |
| 1-methoxy-2-propanol                                  | Acute LC50 23300 mg/l  | Daphnia  | 48 hours      |
|   | Acute LC50 >4500 mg/l Fresh water                                  | Fish   | 96 hours      |
| n-butyl acetate                                       | Acute LC50 18 mg/l   | Fish   | 96 hours      |
| oxirane, mono[<br>(C12-14-alkyloxy)methyl]<br>derivs. | LC50 >100 mg/l   | Fish   | 96 hours      |
| ethylbenzene  | Acute EC50 1.8 mg/l Fresh water<br>Chronic NOEC 1 mg/l Fresh water | Daphnia<br>Daphnia - <i>Ceriodaphnia dubia</i> | 48 hours<br>- |

### Persistence and degradability

| Test                  | Result                     |  | Dose   | Inoculum  |
|-----------------------|----------------------------|--|--|---|
| TEPA and<br>OECD 301D | 83 % - Readily - 28        | days                                     | -  | -   |
| -                     | 79 % - Readily - 10        | days                                     | -  | -   |
| Aquatic half-life     | 9                          | Photolys                                 | sis  | Biodegradability  |
| -                     |                            | -  |  | Not readily   |
| -                     |                            | -<br>-<br>-                              |  | Readily<br>Readily<br>Readily<br>Readily  |
|                       | TEPA and<br>OECD 301D<br>- | TEPA and<br>OECD 301D83 % - Readily - 28 | TEPA and<br>OECD 301D<br>-83 % - Readily - 28 days79 % - Readily - 10 days | TEPA and<br>OECD 301D         83 % - Readily - 28 days         -           -         79 % - Readily - 10 days         - |

### **Bioaccumulative potential**

| Product/ingredient name                    | LogPow | BCF         | Potential |
|--|--------|-------------|-----------|
| ✓methoxy-2-propanol                        | <1     | -           | Low       |
| xylene                                     | 3.12   | 7.4 to 18.5 | Low       |
| n-butyl acetate                            | 2.3    | -           | Low       |
| oxirane, mono[<br>(C12-14-alkyloxy)methyl] | 3.77   | -           | Low       |
| derivs.                                    |        |             |           |
| ethylbenzene                               | 3.6    | 79.43       | Low       |
| toluene                                    | 2.73   | 8.32        | Low       |

### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

# Section 13. Disposal considerations

**Disposal methods** 

 the generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## Section 14. Transport information

|                                | TDG   | IMDG  | ΙΑΤΑ   |
|--------------------------------|---|---|--|
| UN number                      | UN1263  | UN1263  | UN1263   |
| UN proper shipping name        | PAINT   | PAINT   | PAINT  |
| Transport hazard class<br>(es) | 3   | 3   | 3  |
| Packing group                  | III   | III   | III  |
| Environmental hazards          | Yes.  | Yes.  | Yes. The environmentally<br>hazardous substance mark is<br>not required. |
| Marine pollutant<br>substances | (bis-[4-(2,3-epoxipropoxi)<br>phenyl]propane) | (bis-[4-(2,3-epoxipropoxi)<br>phenyl]propane) | Not applicable.  |

### **Additional information**

IMDG

- **TDG** : The marine pollutant mark is not required when transported by road or rail.
  - : The marine pollutant mark is not required when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg.
- **IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

# Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

### Product name KEELOCK HI-SOLIDS EPOXY BARN RED

## Section 14. Transport information

Proof of classification statement

: Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark).

# Section 15. Regulatory information

National Inventory List

Canada inventory (DSL) : All components are listed or exempted.

# Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 2 \* Flammability : 3 Physical hazards : 0

(\*) - Chronic effects

Caution: 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 and the associated label are not required on MSDSs or products leaving a facility 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 trademark and service mark of the American Coatings Association, Inc.

# The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

| Health : 2 Flammab<br>Date of issue/Date of | bility : 3 Instability : 0<br>8 September 2023   |
|---|--|
| revision                                    |  |
| Organization that prepared the SDS          | : EHS  |
| Key to abbreviations                        | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = International Air Transport Association<br>IBC = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973<br>as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>SGG = Segregation Group<br>UN = United Nations |

### Indicates information that has changed from previously issued version.

### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.