



Revision Date: 8/9/2018

## Rust-Oleum Multi Component Product Information Sheet

**236791 CPS 10000SQFT 9000FLORCLADHD-KIT-TILRED is a multi component product composed of the following individual chemical components:**

236759 CPS 10000 SQFT 9000 FLORCLADHD-B  
236786 CPS 2000SQFT 9000FLORCLADHD-A-TILRED

SDSs for each component follow this cover sheet.

### Transportation Information

|   | <u>Domestic (USDOT)</u>     | <u>International (IMDG)</u> | <u>Air (IATA)</u>          | <u>TDG (Canada)</u>         |
|---|-----------------------------|-----------------------------|----------------------------|-----------------------------|
| UN Number:                                      | 3470                        | 3470                        | Forbidden for air shipment | 3470                        |
| Proper Shipping Name:                           | Paint, Corrosive, Flammable | Paint, Corrosive, Flammable | N/A                        | Paint, Corrosive, Flammable |
| Hazard Class:                                   | 8 (3)                       | 8 (3)                       | N/A                        | 8 (3)                       |
| Packing Group:                                  | II                          | II                          | N/A                        | II                          |
| Limited Quantity:                               | No                          | No                          | Forbidden                  | No                          |
| Finished Good Schedule B Harmonized Tariff Code | 3907.30.0000                |                             |                            |                             |

# Safety Data Sheet



## 1. Identification

|                             |   |                         |  |
|-----------------------------|---|-------------------------|--|
| <b>Product Name:</b>        | CPS 10000 SQFT 9000 FLORCLADHD-B  | <b>Revision Date:</b>   | 8/8/2018   |
| <b>Product Identifier:</b>  | 236759  | <b>Supersedes Date:</b> | 2/15/2018  |
| <b>Recommended Use:</b>     | Epoxy Mortar Floor Topping/ Part B Activator  |                         |  |
| <b>Supplier:</b>            | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA  | <b>Manufacturer:</b>    | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
|                             | Rust-Oleum Canada (ROCA)<br>200 Confederation Parkway<br>Concord, ON L4K 4T8<br>Canada<br>Emergency Phone: 800-387-3625 |                         |  |
| <b>Preparer:</b>            | Regulatory Department   |                         |  |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700   |                         |  |

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

|  |      |  |
|--|------|--|
| Flammable Liquid, category 3           | H226 | Flammable liquid and vapour.                                       |
| Carcinogenicity, category 2            | H351 | Suspected of causing cancer.                                       |
| Reproductive Toxicity, category 2      | H361 | Suspected of damaging fertility or the unborn child.               |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.                                  |
| STOT, repeated exposure, category 2    | H373 | May cause damage to organs through prolonged or repeated exposure. |
| Acute Toxicity, Oral, category 4       | H302 | Harmful if swallowed.  |

|  |      |  |
|--|------|--|
| Acute Toxicity, Dermal, category 4     | H312 | Harmful in contact with skin.            |
| Acute Toxicity, Inhalation, category 1 | H330 | Fatal if inhaled.                        |
| Skin Corrosion, category 1A            | H314 | Causes severe skin burns and eye damage. |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction.     |

**GHS LABEL PRECAUTIONARY STATEMENTS**

|                |   |
|----------------|---|
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.        |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                            |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.   |
| P370+P378      | In case of fire: Use alcohol film forming foam, carbon dioxide, dry chemical, dry sand to extinguish. |
| P403+P235      | Store in a well-ventilated place. Keep cool.  |
| P501           | Dispose of contents/container in accordance with local, regional and national regulations.            |
| P201           | Obtain special instructions before use.   |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.  |
| P405           | Store locked up.  |
| P271           | Use only outdoors or in a well-ventilated area.   |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                            |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                      |
| P260           | Do not breathe dust/fume/gas/mist/vapors/spray.   |
| P264           | Wash hands thoroughly after handling.   |
| P301+P312      | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.                            |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.   |
| P321           | For specific treatment see label  |
| P361+P364      | Take off immediately all contaminated clothing and wash it before reuse.                              |

|                |  |
|----------------|--|
| P285           | In case of inadequate ventilation wear respiratory protection.   |
| P320           | Specific treatment is urgent (see label for more information).   |
| P310           | If exposed immediately call a POISON CENTER or doctor/physician.   |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |

**GHS SDS PRECAUTIONARY STATEMENTS**

|      |  |
|------|--|
| P240 | Ground/bond container and receiving equipment.                 |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P242 | Use only non-sparking tools.                                   |
| P243 | Take precautionary measures against static discharge.          |
| P270 | Do not eat, drink or smoke when using this product.            |
| P363 | Wash contaminated clothing before reuse.                       |

### 3. Composition / Information On Ingredients

**HAZARDOUS SUBSTANCES**

| <u>Chemical Name</u>                | <u>CAS-No.</u> | <u>Wt.%</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|-------------------------------------|----------------|-------------|--------------------|-----------------------|
| Diethylenetriamine                  | 111-40-0       | 40          | GHS05-GHS06        | H302-311-314-317-330  |
| 4,4'-(1-Methylethylidene) Bisphenol | 80-05-7        | 34          | GHS05-GHS07        | H317-318-332-335      |
| Proprietary Aliphatic Amine         | PROPRIETARY    | 13          | GHS05-GHS06-GHS08  | H314-317-330-335-361  |
| Xylenes (o-, m-, p- isomers)        | 1330-20-7      | 5.9         | GHS02-GHS07        | H226-315-319-332      |
| Pine oil                            | 8002-09-3      | 4.7         | GHS06              | H311-331              |
| Ethylbenzene                        | 100-41-4       | 1.4         | GHS02-GHS07-GHS08  | H225-304-332-351-373  |

### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. If exposed to fumes or vapors, flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**FIRST AID - SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash contaminated clothing and decontaminate footwear before reuse. Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. If swallowed, get medical attention.

## 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No unusual fire or explosion hazards noted. Closed containers may explode when exposed to extreme heat due to buildup of steam. Keep containers tightly closed. Combustible liquid and vapor.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

## 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin and clothing. Remove contaminated clothing and launder before reuse. Avoid contact with skin and eyes. Wash hands before eating. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist.

**STORAGE:** Keep container closed when not in use. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Avoid excess heat.

**Advice on Safe Handling of Combustible Dust:** No Information

## 8. Exposure Controls / Personal Protection

| Chemical Name                          | CAS-No.     | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-TWA | OSHA PEL-<br>CEILING |
|--|-------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Diethylenetriamine                     | 111-40-0    | 40.0                  | 1 ppm             | N.E.               | N.E.         | N.E.                 |
| 4,4'-(1-Methylethylidene)<br>Bisphenol | 80-05-7     | 35.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Proprietary Aliphatic Amine            | PROPRIETARY | 15.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Xylenes (o-, m-, p- isomers)           | 1330-20-7   | 10.0                  | 100 ppm           | 150 ppm            | 100 ppm      | N.E.                 |
| Pine oil                               | 8002-09-3   | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Ethylbenzene                           | 100-41-4    | 5.0                   | 20 ppm            | N.E.               | 100 ppm      | N.E.                 |

### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

|                                 |                     |  |           |
|---------------------------------|---------------------|--|-----------|
| <b>Appearance:</b>              | Liquid              | <b>Physical State:</b>                         | Liquid    |
| <b>Odor:</b>                    | Ammonia Like        | <b>Odor Threshold:</b>                         | N.E.      |
| <b>Relative Density:</b>        | 1.032               | <b>pH:</b>                                     | Alkaline  |
| <b>Freeze Point, °C:</b>        | N.D.                | <b>Viscosity:</b>                              | N.D.      |
| <b>Solubility in Water:</b>     | Slight              | <b>Partition Coefficient, n-octanol/water:</b> | N.D.      |
| <b>Decomposition Temp., °C:</b> | N.D.                | <b>Explosive Limits, vol%:</b>                 | 0.9 - 6.8 |
| <b>Boiling Range, °C:</b>       | 135 - 201           | <b>Flash Point, °C:</b>                        | 44        |
| <b>Flammability:</b>            | Supports Combustion | <b>Auto-ignition Temp., °C:</b>                | N.D.      |
| <b>Evaporation Rate:</b>        | Slower than Ether   | <b>Vapor Pressure:</b>                         | N.D.      |
| <b>Vapor Density:</b>           | Heavier than Air    |  |           |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C).

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes eye irritation. Corrosive. Will cause eye burns and permanent tissue damage, including blindness. Substance causes moderate eye irritation.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Causes skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Substance may cause slight skin irritation.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation. High gas, vapor, mist or dust concentrations may be harmful if inhaled. High vapor concentrations are irritating to the eyes, nose, throat and lungs. May cause allergic respiratory reaction. Avoid breathing fumes, spray, vapors, or mist.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Irritating to the nose, throat and respiratory tract. Harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract and signs of nervous system depression (e.g., headache, drowsiness, loss of coordination and fatigue). Prolonged or repeated overexposure may cause lung damage. Contains a Cobalt compound. IARC lists Cobalt and Cobalt compounds as possible human carcinogens (group 2B). However, there is inadequate evidence of the carcinogenicity of cobalt and cobalt compounds in humans and limited evidence in experimental animals. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

**ACUTE TOXICITY VALUES**

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>                | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|-------------------------------------|------------------|--------------------|-------------------|
| 111-40-0       | Diethylenetriamine                  | 1080 mg/kg Rat   | 672 mg/kg Rabbit   | 0.3 mg/l Rat      |
| 80-05-7        | 4,4'-(1-Methylethylidene) Bisphenol | 3300 mg/kg Rat   | 3577 mg/kg Rabbit  | 2100 mg/L         |
| 1330-20-7      | Xylenes (o-, m-, p- isomers)        | 3500 mg/kg Rat   | >4350 mg/kg Rabbit | 29.08 mg/L Rat    |
| 8002-09-3      | Pine oil                            | 3200 mg/kg Rat   | 400 mg/kg Rabbit   | >3.79 mg/L Rat    |
| 100-41-4       | Ethylbenzene                        | 3500 mg/kg Rat   | 15400 mg/kg Rabbit | 17.4 mg/L Rat     |

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems. Do not incinerate closed containers.

## 14. Transport Information

|                              | <u>Domestic (USDOT)</u>     | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u>         |
|------------------------------|-----------------------------|-----------------------------|-------------------|-----------------------------|
| <b>UN Number:</b>            | 3470                        | 3470                        | NA                | 3470                        |
| <b>Proper Shipping Name:</b> | Paint, corrosive, flammable | Paint, corrosive, flammable | Forbidden         | Paint, corrosive, flammable |
| <b>Hazard Class:</b>         | 8 (3)                       | 8 (3)                       | NA                | 8 (3)                       |
| <b>Packing Group:</b>        | II                          | II                          | NA                | II                          |
| <b>Limited Quantity:</b>     | No                          | No                          | Forbidden         | No                          |

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Acute Toxicity (any route of exposure), Reproductive toxicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Specific target organ toxicity (single or repeated exposure)

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u>                | <u>CAS-No.</u> |
|-------------------------------------|----------------|
| 4,4'-(1-Methylethylidene) Bisphenol | 80-05-7        |
| Xylenes (o-, m-, p- isomers)        | 1330-20-7      |
| Ethylbenzene                        | 100-41-4       |

#### Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

## 16. Other Information

### HMIS RATINGS

Health: 2\*      Flammability: 2      Physical Hazard: 1      Personal Protection: X

### NFPA RATINGS

Health: 2      Flammability: 2      Instability: 1

Volatile Organic Compounds      130 g/L

SDS REVISION DATE:      8/8/2018

REASON FOR REVISION:      Revision Description Changed  
Substance and/or Product Properties Changed in Section(s):  
15 - Regulatory Information  
16 - Other Information  
Revision Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.



# Safety Data Sheet



## 1. Identification

|                             |   |                         |  |
|-----------------------------|---|-------------------------|--|
| <b>Product Name:</b>        | CPS 2000SQFT 9000FLORCLADHD-A-TILRED  | <b>Revision Date:</b>   | 8/8/2018   |
| <b>Product Identifier:</b>  | 236786  | <b>Supersedes Date:</b> | 2/15/2018  |
| <b>Recommended Use:</b>     | Epoxy Mortar Floor Topping/ Part A Epoxy  |                         |  |
| <b>Supplier:</b>            | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA  | <b>Manufacturer:</b>    | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
|                             | Rust-Oleum Canada (ROCA)<br>200 Confederation Parkway<br>Concord, ON L4K 4T8<br>Canada<br>Emergency Phone: 800-387-3625 |                         |  |
| <b>Preparer:</b>            | Regulatory Department   |                         |  |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700   |                         |  |

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Warning

### Possible Hazards

16% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|  |      |                                      |
|--|------|--------------------------------------|
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.    |
| Skin Irritation, category 2            | H315 | Causes skin irritation.              |
| Eye Irritation, category 2             | H319 | Causes serious eye irritation.       |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction. |

### GHS LABEL PRECAUTIONARY STATEMENTS

|                |  |
|----------------|--|
| P261           | Avoid breathing dust/fume/gas/mist/vapors/spray.   |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P312           | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container in accordance with local, regional and national regulations.                                       |
| P264           | Wash hands thoroughly after handling.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P321           | For specific treatment see label   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |

**GHS SDS PRECAUTIONARY STATEMENTS**

P363 Wash contaminated clothing before reuse.

### 3. Composition / Information On Ingredients

**HAZARDOUS SUBSTANCES**

| <b><u>Chemical Name</u></b> | <b><u>CAS-No.</u></b> | <b><u>Wt.%</u></b> | <b><u>GHS Symbols</u></b> | <b><u>GHS Statements</u></b> |
|-----------------------------|-----------------------|--------------------|---------------------------|------------------------------|
| Bisphenol A Epoxy Resin     | 25085-99-8            | 82                 | GHS07                     | H315-317-319-335             |
| Alkyl Glycidyl Ether        | 68609-97-2            | 16                 | GHS07                     | H315-317                     |

#### 4. First-Aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

#### 5. Fire-Fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F. No unusual fire or explosion hazards noted. Keep containers tightly closed.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent buildup of steam. Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. If water is used, fog nozzles are preferred.

**Special Fire and Explosion Hazard (Combustible Dust):** No Information

#### 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

#### 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Use only in a well-ventilated area. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid contact with eyes, skin and clothing. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid breathing fumes, vapors, or mist.

**STORAGE:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Store in a dry, well ventilated place. Keep container tightly closed when not in use.

**Advice on Safe Handling of Combustible Dust:** No Information

#### 8. Exposure Controls / Personal Protection

| Chemical Name           | CAS-No.    | Weight %<br>Less Than | ACGIH TLV-<br>TWA | ACGIH TLV-<br>STEL | OSHA PEL-TWA | OSHA PEL-<br>CEILING |
|-------------------------|------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Bisphenol A Epoxy Resin | 25085-99-8 | 85.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Alkyl Glycidyl Ether    | 68609-97-2 | 20.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |

#### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

**Engineering Measures for Combustible Dust:** No Information

## 9. Physical and Chemical Properties

|                                 |                             |  |             |
|---------------------------------|-----------------------------|--|-------------|
| <b>Appearance:</b>              | Liquid                      | <b>Physical State:</b>                         | Liquid      |
| <b>Odor:</b>                    | Solvent Like                | <b>Odor Threshold:</b>                         | N.E.        |
| <b>Relative Density:</b>        | 1.116                       | <b>pH:</b>                                     | N.A.        |
| <b>Freeze Point, °C:</b>        | N.D.                        | <b>Viscosity:</b>                              | N.D.        |
| <b>Solubility in Water:</b>     | Slight                      | <b>Partition Coefficient, n-octanol/water:</b> | N.D.        |
| <b>Decomposition Temp., °C:</b> | N.D.                        | <b>Explosive Limits, vol%:</b>                 | N.A. - N.A. |
| <b>Boiling Range, °C:</b>       | 200 - 260                   | <b>Flash Point, °C:</b>                        | 94          |
| <b>Flammability:</b>            | Does not Support Combustion | <b>Auto-ignition Temp., °C:</b>                | N.D.        |
| <b>Evaporation Rate:</b>        | Slower than Ether           | <b>Vapor Pressure:</b>                         | N.D.        |
| <b>Vapor Density:</b>           | Heavier than Air            |  |             |

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120°F (49°C).

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** When heated to decomposition, it emits acrid smoke and irritating fumes.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological Information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Extremely irritating to the eyes and may cause severe damage, including blindness. Substance causes severe eye irritation. Injury may be permanent. Irritating, and may injure eye tissue if not removed promptly.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High vapor concentrations are irritating to the eyes, nose, throat and lungs. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Substance may be harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

**ACUTE TOXICITY VALUES**

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>    | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|-------------------------|------------------|--------------------|-------------------|
| 25085-99-8     | Bisphenol A Epoxy Resin | >5000            | >20000             | >20               |
| 68609-97-2     | Alkyl Glycidyl Ether    | 17100 mg/kg Rat  | >3987 mg/kg Rabbit | N.E.              |

N.E. - Not Established

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Product is a mixture of listed components. Product is a mixture of listed components.

## 13. Disposal Information

**DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

## 14. Transport Information

|                              | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u>                                       | <u>Air (IATA)</u>   | <u>TDG (Canada)</u> |
|------------------------------|-------------------------|---|---|---------------------|
| <b>UN Number:</b>            | N.A.                    | 3082  | 3082  | N.A.                |
| <b>Proper Shipping Name:</b> | Not Regulated           | Environmentally Hazardous Substance, liquid, n.o.s. (Epoxy Resin) | Environmentally Hazardous Substance, liquid, n.o.s. (Epoxy Resin) | Not Regulated       |
| <b>Hazard Class:</b>         | N.A.                    | 9   | 9   | N.A.                |
| <b>Packing Group:</b>        | N.A.                    | III   | III   | N.A.                |
| <b>Limited Quantity:</b>     | No                      | No  | No  | No                  |

## 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

#### Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

No TSCA 12(b) components exist in this product.

**16. Other Information****HMIS RATINGS**

**Health:** 2\*      **Flammability:** 1      **Physical Hazard:** 0      **Personal Protection:** X

**NFPA RATINGS**

**Health:** 2      **Flammability:** 1      **Instability:** 1

**Volatile Organic Compounds** 3 g/L

**SDS REVISION DATE:** 8/8/2018

**REASON FOR REVISION:** Revision Description Changed  
Substance and/or Product Properties Changed in Section(s):  
02 - Hazard Identification  
15 - Regulatory Information  
16 - Other Information  
Revision Statement(s) Changed

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.