

# Safety Data Sheet



## 1. Identification

**Product Name:** SIE S60 1-GL EPOXY GLOSS TILE RED      **Revision Date:** 12/19/2018  
**Product Identifier:** 208076      **Supercedes Date:** 8/7/2018  
**Recommended Use:** Topcoat/Epoxy Part B  
**Supplier:** Rust-Oleum Corporation      **Manufacturer:** Rust-Oleum Corporation  
 11 Hawthorn Parkway      11 Hawthorn Parkway  
 Vernon Hills, IL 60061      Vernon Hills, IL 60061  
 USA      USA  
  
 Rust-Oleum Canada (ROCA)  
 200 Confederation Parkway  
 Concord, ON L4K 4T8  
 Canada  
 Emergency Phone: 800-387-3625  
**Preparer:** Regulatory Department  
**Emergency Telephone:** 24 Hour Hotline: 847-367-7700

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

21% of the mixture consists of ingredient(s) of unknown acute toxicity.

### GHS HAZARD STATEMENTS

|                                |      |                                      |
|--------------------------------|------|--------------------------------------|
| Carcinogenicity, category 1B   | H350 | May cause cancer.                    |
| Skin Irritation, category 2    | H315 | Causes skin irritation.              |
| Serious Eye Damage, category 1 | H318 | Causes serious eye damage.           |
| Skin Sensitizer, category 1    | H317 | May cause an allergic skin reaction. |

### GHS LABEL PRECAUTIONARY STATEMENTS

|           |  |
|-----------|--|
| P201      | Obtain special instructions before use.  |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                 |
| P308+P313 | IF exposed or concerned: Get medical advice/attention.                                     |
| P405      | Store locked up.   |
| P501      | Dispose of contents/container in accordance with local, regional and national regulations. |
| P264      | Wash hands thoroughly after handling.  |
| 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. |
| P310           | If exposed immediately call a POISON CENTER or doctor/physician.   |
| P261           | Avoid breathing dust/fume/gas/mist/vapors/spray.   |
| 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**

| <u>Chemical Name</u>            | <u>CAS-No.</u> | <u>Wt.%</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---------------------------------|----------------|-------------|--------------------|-----------------------|
| Polyamine Polymer               | PROPRIETARY    | 19          | GHS05-GHS07        | H315-317-318          |
| Polyoxypropylenediamine         | 9046-10-0      | 1.5         | GHS05              | H314                  |
| Aliphatic Petroleum Distillates | 64741-88-4     | 1.1         | GHS08              | H350                  |
| Tetraethylenepentamine          | 112-57-2       | 0.9         | GHS05-GHS06        | H311-314-317          |
| Titanium Dioxide                | 13463-67-7     | 0.3         | Not Available      | Not Available         |

### 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:** 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, Dry Sand, 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. 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:** 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. Wash hands before eating. Avoid contact with eyes. Remove contaminated clothing and launder before reuse. 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. Avoid contact with eyes, skin and clothing.

**STORAGE:** Keep from freezing. Keep container closed when not in use. 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 |
|---------------------------------|-------------|-----------------------|-------------------|--------------------|--------------|----------------------|
| Polyamine Polymer               | PROPRIETARY | 20.0                  | N.E.              | N.E.               | N.E.         | N.E.                 |
| Polyoxypropylenediamine         | 9046-10-0   | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Aliphatic Petroleum Distillates | 64741-88-4  | 5.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Tetraethylenepentamine          | 112-57-2    | 1.0                   | N.E.              | N.E.               | N.E.         | N.E.                 |
| Titanium Dioxide                | 13463-67-7  | 1.0                   | 10 mg/m3          | N.E.               | 15 mg/m3     | 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 organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**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. Use ANSI Z87.1 approved safety eyewear.

**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>        | 1.183                       | <b>pH:</b>  | N.D.        |
| <b>Freeze Point, °C:</b>        | N.D.                        | <b>Viscosity:</b>                                   | N.D.        |
| <b>Solubility in Water:</b>     | Miscible                    | <b>Partition Coefficient, n-octanol/<br/>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>       | 100 - 537                   | <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 contact with strong acid and strong bases.

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

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. 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:** Causes eye irritation. Irritating, and may injure eye tissue if not removed promptly.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INHALATION:** Low hazard for usual industrial handling or commercial handling by trained personnel. Routine handling and application does not require use of respiratory protection; however, if air monitoring demonstrates vapor, mist, or dust levels above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during handling and application. Follow respirator manufacturer's directions for respirator use. 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:** Contains Petroleum Distillates-Heavy Paraffinic, which is listed as an IARC Group 1 Carcinogen. Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

**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> |
|----------------|---------------------------------|------------------|--------------------|-------------------|
| 9046-10-0      | Polyoxypropylenediamine         | 2885 mg/kg Rat   | 2979 mg/kg Rabbit  | 25 mg/L           |
| 64741-88-4     | Aliphatic Petroleum Distillates | >5000 mg/kg Rat  | >2000 mg/kg Rabbit | N.E.              |
| 112-57-2       | Tetraethylenepentamine          | 3990 mg/kg Rat   | 659 mg/kg Rabbit   | 2500 mg/L         |
| 13463-67-7     | Titanium Dioxide                | >10000 mg/kg Rat | 2500 mg/kg         | N.E.              |

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.

## 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.                    | N.A.                        | N.A.              | N.A.                |
| <b>Proper Shipping Name:</b> | Not Regulated           | Not Regulated               | Not Regulated     | Not Regulated       |
| <b>Hazard Class:</b>         | N.A.                    | N.A.                        | N.A.              | N.A.                |
| <b>Packing Group:</b>        | N.A.                    | N.A.                        | N.A.              | 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:

Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation

#### 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.

### U.S. State Regulations:

#### California Proposition 65:

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 16. Other Information

#### HMIS RATINGS

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

#### NFPA RATINGS

Health: 2      Flammability: 1      Instability: 0

Volatile Organic Compounds      9 g/L

SDS REVISION DATE:      12/19/2018

REASON FOR REVISION:      Substance Chemical Name Changed  
    Substance Hazard Threshold % Changed  
    Substance and/or Product Properties Changed in Section(s):  
    01 - Identification

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.

