

# Safety Data Sheet



## 1. Identification

|                             |  |                         |  |
|-----------------------------|--|-------------------------|--|
| <b>Product Name:</b>        | EPOXY 2GLK GRAY GLS 2.5 GARAGE Kit   | <b>Revision Date:</b>   | 4/28/2015  |
| <b>Product Identifier:</b>  | 251870   | <b>Supersedes Date:</b> | New SDS  |
| <b>Product Use/Class:</b>   | Garage Floor Coating/Epoxy Kit   |                         |  |
| <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 |
| <b>Preparer:</b>            | Regulatory Department  |                         |  |
| <b>Emergency Telephone:</b> | 24 Hour Hotline: 847-367-7700  |                         |  |

## 2. Hazard Identification

**EMERGENCY OVERVIEW:** Causes eye irritation. Causes skin irritation. May cause allergic skin reaction. May cause eye, skin, or respiratory tract irritation. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Combustible liquid and vapor. Use ventilation necessary to keep exposures below recommended exposure limits, if any.

### Classification

#### Symbol(s) of Product



#### Signal Word

Danger

### GHS HAZARD STATEMENTS

|  |      |   |
|--|------|---|
| Flammable liquid, category 4           | H227 | Combustible liquid                              |
| Acute Toxicity, Dermal, category 5     | H313 | May be harmful in contact with skin.            |
| Skin Irritation, category 2            | H315 | Causes skin irritation.                         |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled.                             |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation.               |
| STOT, single exposure, category 3, NE  | H336 | May cause drowsiness or dizziness.              |
| Organic Peroxide, categories C, D      | H242 | Heating may cause a fire.                       |
| Aspiration Hazard, category 2          | H305 | May be harmful if swallowed and enters airways. |
| Eye Irritation, category 2B            | H320 | Causes eye irritation.                          |
| Skin Sensitizer, category 1            | H317 | May cause an allergic skin reaction.            |

### GHS PRECAUTIONARY STATEMENTS

|      |   |
|------|---|
| P102 | Keep out of reach of children.  |
| P103 | Read label before use.  |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P234 | Keep only in original container.  |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                          |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.                         |

|           |  |
|-----------|--|
| P262      | Do not get in eyes, on skin, or on clothing.   |
| P264      | Wash ... thoroughly after handling.  |
| P270      | Do not eat, drink or smoke when using this product.  |
| P271      | Use only outdoors or in a well-ventilated area.  |
| P273      | Avoid release to the environment.  |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                       |
| P281      | Use personal protective equipment as required.   |
| P285      | In case of inadequate ventilation wear respiratory protection.                                   |
| P312      | Call a POISON CENTER or doctor/physician if you feel unwell.                                     |
| P351      | Rinse cautiously with water for several minutes.   |
| P374      | Fight fire with normal precautions from a reasonable distance.                                   |
| P402      | Store in a dry place.  |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.                     |
| P321      | Specific treatment (see ... on this label).  |
| P352      | Wash with plenty of soap and water.  |
| P362      | Take off contaminated clothing and wash before reuse.  |
| P332+P313 | If skin irritation occurs: Get medical advice/attention.   |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P405      | Store locked up.   |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.                                 |
| P501      | Dispose of contents/container to ...   |
| P210      | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.                               |
| P220      | Keep/Store away from clothing/.../combustible materials.   |
| P420      | Store away from other materials.   |
| P411+P235 | Store at temperatures not exceeding ...°C / ...°F. Keep cool.                                    |
| P272      | Contaminated work clothing should not be allowed out of the workplace.                           |
| P363      | Wash contaminated clothing before reuse.   |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention.                                 |
| P302+P350 | IF ON SKIN: Gently wash with plenty of soap and water.   |

### 3. Composition/Information On Ingredients

#### HAZARDOUS SUBSTANCES

| <u>Chemical Name</u>  | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---|----------------|-------------------|--------------------|-----------------------|
| Bisphenol A Epoxy Resin   | 25085-99-8     | 10-25             |                    |                       |
| Titanium Dioxide  | 13463-67-7     | 10-25             |                    |                       |
| Ethylene Glycol Monopropyl Ether  | 2807-30-9      | 2.5-10            | GHS02-GHS06        | H226-311-319          |
| 2-Propenenitrile, Reaction with 3-amino-1,5,5-trimethylcylcohexanemethanamine | 90530-15-7     | 2.5-10            |                    |                       |
| Alkyl Glycidyl Ether  | 68609-97-2     | 1.0-2.5           | GHS07              | H315-317              |
| Carbon Black  | 1333-86-4      | 0.1-1.0           | GHS02              | H251                  |

The text for GHS Hazard Statements shown above (if any) is given in the "16. Other Information" section.

### 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. 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 buildup of steam. Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

## 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. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools.

## 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Use only in a well-ventilated area. Follow all MSDS/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. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids. Avoid excess heat.

## 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 | 20.0                  | N.E.                                    | N.E.               | N.E.                                 | N.E.                 |
| Titanium Dioxide   | 13463-67-7 | 15.0                  | 10 mg/m <sup>3</sup> (Total<br>Dust)    | N.E.               | 15 mg/m <sup>3</sup> [Total<br>Dust] | N.E.                 |
| Ethylene Glycol Monopropyl<br>Ether  | 2807-30-9  | 5.0                   | 25 ppm (Skin)                           | N.E.               | N.E.                                 | N.E.                 |
| 2-Propenenitrile, Reaction with<br>3-amino-1,5,5-<br>trimethylcylcohexanemethanami<br>ne | 90530-15-7 | 5.0                   | N.E.                                    | N.E.               | N.E.                                 | N.E.                 |
| Alkyl Glycidyl Ether   | 68609-97-2 | 5.0                   | N.E.                                    | N.E.               | N.E.                                 | N.E.                 |
| Carbon Black   | 1333-86-4  | 1.0                   | 3 mg/m <sup>3</sup><br>(Inhalable Dust) | N.E.               | 3.5 mg/m <sup>3</sup>                | 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.

## 9. Physical and Chemical Properties

|                                 |                             |   |                |
|---------------------------------|-----------------------------|---|----------------|
| <b>Appearance:</b>              | Liquid                      | <b>Physical State:</b>                              | Liquid         |
| <b>Odor:</b>                    | Mild                        | <b>Odor Threshold:</b>                              | N.E.           |
| <b>Relative Density:</b>        | 1.267                       | <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> | No Information |
| <b>Decomposition Temp., °C:</b> | No Information              | <b>Explosive Limits, vol%:</b>                      | 1.3 - 15.8     |
| <b>Boiling Range, °C:</b>       | 194 - 999                   | <b>Flash Point, °C:</b>                             | >93            |
| <b>Flammability:</b>            | Does not Support Combustion | <b>Auto-ignition Temp., °C:</b>                     | No Information |
| <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. Avoid contact with strong acid and strong bases.

**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:** Extremely irritating to the eyes and may cause severe damage, including blindness. Substance causes severe eye irritation. Injury may be permanent. Substance causes moderate eye irritation.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** 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:** 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. Prolonged or excessive inhalation may cause respiratory tract irritation.

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

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** 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) Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hamster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.

Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Governmental Industrial Hygienists. Significant exposure is not anticipated 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 carbon black in the formula. 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> |
|----------------|----------------------------------|------------------|--------------------|-------------------|
| 13463-67-7     | Titanium Dioxide                 | >10000 mg/kg Rat | N.I.               | N.I.              |
| 2807-30-9      | Ethylene Glycol Monopropyl Ether | N.I.             | 870 mg/kg Rabbit   | N.I.              |

N.I. - No Information

## 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.                    | 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:

Acute Health Hazard

#### 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> |
|----------------------------------|----------------|
| Ethylene Glycol Monopropyl Ether | 2807-30-9      |

#### 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:

| <u>Chemical Name</u>        | <u>CAS-No.</u> |
|-----------------------------|----------------|
| Methyl-4-Isothiazolin-3-one | 2682-20-4      |

#### CALIFORNIA PROPOSITION 65:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Titanium Dioxide     | 13463-67-7     |
| Carbon Black         | 1333-86-4      |

#### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

**International Regulations:****CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

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

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

CANADIAN WHMIS CLASS: D2A D2B

**NFPA RATINGS**

Health: 2      Flammability: 2      Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 92

MSDS REVISION DATE: 4/28/2015

REASON FOR REVISION: No Information

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

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

|      |                                      |
|------|--------------------------------------|
| H226 | Flammable liquid and vapour.         |
| H251 | Self-heating: may catch fire.        |
| H311 | Toxic in contact with skin.          |
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation.       |

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS02



GHS06



GHS07



Rust-Oleum Corporation 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. Rust-Oleum Corporation 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.