# Material Safety Data Sheet

**24 Hour Assistance:**
**1-847-367-7700**
**Rust-Oleum Corp.**
**www.rustoleum.com**

## Section 1 - Chemical Product / Company Information

| | | | |
|---|---|---|---|
| Product Name: | EPOXY 1-GL 2PK 9100 FAST CURE ACTIVATOR | Revision Date: | 06/30/2011 |
| Identification Number: | 9104402 | | |
| Product Use/Class: | Fast Cure Activator/Epoxy | | |
| Supplier: | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA | Manufacturer: | Rust-Oleum Corporation<br>11 Hawthorn Parkway<br>Vernon Hills, IL 60061<br>USA |
| Preparer: | Regulatory Department | | |

## Section 2 - Composition / Information On Ingredients

| Chemical Name | CAS Number | Weight % Less Than | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA | OSHA PEL CEILING |
|---|---|---|---|---|---|---|
| Polyamide Resin | 68424-41-9 | 15.0 | N.E. | N.E. | N.E. | N.E. |
| Isopropyl Alcohol | 67-63-0 | 10.0 | 200 ppm | 400 ppm | 400 ppm | N.E. |
| Xylene | 1330-20-7 | 10.0 | 100 ppm | 150 ppm | 100 ppm | N.E. |
| n-Butanol | 71-36-3 | 5.0 | 20 ppm | N.E. | 100 ppm | N.E. |
| Para-Nonyl Phenol | 84852-15-3 | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Modified Amine | PROPRIETARY | 5.0 | N.E. | N.E. | N.E. | N.E. |
| Ethylbenzene | 100-41-4 | 5.0 | 100 ppm | 125 ppm | 100 ppm | N.E. |
| Quartz (Crystalline Silica) | 14808-60-7 | 1.0 | 0.025 mg/m3 (Respirable) | N.E. | 2.4 mppcf (Respirable) | N.E. |

## Section 3 - Hazards Identification

*** Emergency Overview ***: High vapor concentrations can irritate eyes, nose and respiratory passages. Causes nose and throat irritation. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Harmful if swallowed. Causes eye irritation. Flammable liquid and vapor.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated skin contact may cause irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. May cause headaches and dizziness. Avoid breathing vapors or mists. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. 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.

Contains crystalline silica as silicon dioxide. Excessive inhalation of respirable crystalline silica dust may cause lung disease, silicosis or lung cancer. Significant exposure is not anticipated during brush or trowel application or drying. Risk of overexposure depends on the duration and level of exposure to dust from repeated sanding of surfaces, mechanical abrasion or spray mist and actual concentration of crystalline silica in the formula. Crystalline silica is listed as Group 1 "carcinogenic to humans" by the International Agency for Research on Cancer (IARC), and Group 2 "reasonably anticipated to be a carcinogen" by the National Toxicology Program (NTP).

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

## 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 with soap and water. 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.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

## Section 5 - Fire Fighting Measures

Flash Point: 68 F (Setaflash)

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire And Explosion Hazards: Isolate from heat, electrical equipment, sparks and open flame. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion.

## Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Eliminate all ignition sources; use explosion-proof equipment. Place material in a container and dispose of according to local, provincial, state and federal regulations. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

## Section 7 - Handling And Storage

Handling: Use with adequate ventilation. Wash thoroughly after handling. Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use.

## Section 8 - Exposure Controls / Personal Protection

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

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: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

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.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

## Section 9 - Physical And Chemical Properties

| | | | |
|---|---|---|---|
| Vapor Density: | Heavier than air | Odor: | Solvent Like |
| Appearance: | Liquid | Evaporation Rate: | Slower than ether |
| Solubility in H2O: | Slight | Freeze Point: | NE |
| Specific Gravity: | 1.602 | pH: | N.A. |
| Physical State: | liquid | | |

(See section 16 for abbreviation legend)

## Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

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.

## Section 11 - Toxicological Information

| Chemical Name | LD50 | LC50 |
|---|---|---|
| Polyamide Resin | 2000 mg/kg | N.E. |
| Isopropyl Alcohol | 5800 mg/kg (Rat) | 12000 ppm (Rat, 8Hr) |
| Xylene | 4300 mg/kg (Rat, Oral) | 5000 ppm (Rat, Inhalation, 4Hr) |

| | | |
|---|---|---|
| n-Butanol | 2500 mg/kg (Rat) | >8000 ppm (Rat, Inhalation, 4Hr) |
| Para-Nonyl Phenol | 1300 mg/kg (Rat, Oral) | N.E. |
| Modified Amine | N.E. | N.E. |
| Ethylbenzene | 3500 mg/kg (Rat, Oral) | N.E. |
| Quartz (Crystalline Silica) | N.E. | N.E. |

## Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

## Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

## Section 14 - Transportation Information

| | Domestic (USDOT) | International (IMDG) | Air (IATA) |
|---|---|---|---|
| Proper Shipping Name: | Consumer Commodity | Paint | Paint |
| Hazard Class: | ORM-D | 3 | 3 |
| UN Number: | N.A. | UN1263 | UN1263 |
| Packing Group: | N.A. | II | II |
| Limited Quantity: | No | IMDG 34-08, 3.4.7 | No |

## Section 15 - Regulatory Information

**CERCLA - SARA Hazard Category**

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

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

**SARA Section 313:**

Listed below are the substances (if any) contained in this product that are 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:

| Chemical Name | CAS Number |
|---|---|
| Isopropyl Alcohol | 67-63-0 |
| Xylene | 1330-20-7 |
| n-Butanol | 71-36-3 |
| Ethylbenzene | 100-41-4 |

**Toxic Substances Control Act:**

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

## U.S. State Regulations: As follows -

**New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

| Chemical Name | CAS Number |
|---|---|
| Barium Sulfate | 7727-43-7 |
| Limestone | 1317-65-3 |

**Pennsylvania Right-to-Know:**

The following non-hazardous ingredients are present in the product at greater than 3%.

| Chemical Name | CAS Number |
|---|---|
| Barium Sulfate | 7727-43-7 |
| Limestone | 1317-65-3 |
| Polystyrene Resin | 9003-53-6 |

## International Regulations: As follows -

**CANADIAN WHMIS:**

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

**CANADIAN WHMIS CLASS:** B2 D2A D2B

## Section 16 - Other Information

**HMIS Ratings:**

| | | | |
|---|---|---|---|
| Health: 3* | Flammability: 4 | Reactivity: 1 | Personal Protection: X |

**NFPA Ratings:**

| | | |
|---|---|---|
| Health: 3 | Flammability: 4 | Instability: 0 |

**VOLATILE ORGANIC COMPOUNDS, g/L:** 304

**REASON FOR REVISION:** Regulatory Update

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

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 material 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.