# 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 LOW TEMP ACTIVATOR | Revision Date: | 03/11/2010 |
| Identification Number: | 9103402 | | |
| Product Use/Class: | Activator/9100 System | | |
| 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 |
|---|---|---|---|---|---|---|
| Para-Nonyl Phenol | 84852-15-3 | 20.0 | N.E. | N.E. | N.E. | N.E. |
| Xylene | 1330-20-7 | 5.0 | 100 ppm | 150 ppm | 100 ppm | N.E. |
| Toluene | 108-88-3 | 5.0 | 20 ppm | N.E. | 200 ppm | 300 ppm |
| Ethylbenzene | 100-41-4 | 5.0 | 100 ppm | 125 ppm | 100 ppm | N.E. |
| n-Butanol | 71-36-3 | 5.0 | 20 ppm | N.E. | 100 ppm | N.E. |

## Section 3 - Hazards Identification

*** Emergency Overview ***: Harmful if swallowed. Causes eye burns. Causes skin irritation. May cause allergic skin reaction.

Effects Of Overexposure - Eye Contact: Causes eye burns.

Effects Of Overexposure - Skin Contact: May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material. Contact causes skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Can burn mouth, throat and stomach.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or 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.

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: Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

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: 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.

## Section 5 - Fire Fighting Measures

Flash Point: 39 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 1.0 %
UPPER EXPLOSIVE LIMIT : 12.0 %

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

Unusual Fire And Explosion Hazards: Combustion generates toxic fumes of carbon monoxide, carbon dioxide and other gases.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

## Section 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. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

## Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Avoid prolonged or repeated contact with skin. Use with adequate ventilation.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

## 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.

Skin Protection: Use impervious gloves to prevent skin contact and absorption of this material through the skin. 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.

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

## Section 9 - Physical And Chemical Properties

| | | | |
|---|---|---|---|
| Boiling Range: | 180 - 545 F | Vapor Density: | Heavier than Air |
| Odor: | Amine | Odor Threshold: | ND |
| Appearance: | Liquid | Evaporation Rate: | Slower than Ether |
| Solubility in H2O: | Slight | | |
| Freeze Point: | ND | Specific Gravity: | 1.452 |
| Vapor Pressure: | ND | PH: | NE |
| 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: When heated to decomposition, it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

## Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

| Chemical Name | LD50 | LC50 |
|---|---|---|
| Para-Nonyl Phenol | 1300 mg/kg (Rat, Oral) | N.E. |
| Xylene | 4300 mg/kg (Rat, Oral) | 5000 ppm (Rat, Inhalation, 4Hr) |
| Toluene | 636 mg/kg (Rat, Oral) | > 26700 ppm (Rat, Inhalation, I Hr) |
| Ethylbenzene | 3500 mg/kg (Rat, Oral) | N.E. |
| n-Butanol | 2500 mg/kg (Rat) | >8000 ppm (Rat, Inhalation, 4Hr) |

## 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

| | | | |
|---|---|---|---|
| DOT Proper Shipping Name: | Paint Related Material | Packing Group: | III |
| DOT Technical Name: | N.A. | Hazard Subclass: | 3 |
| DOT Hazard Class: | 3 | Resp. Guide Page: | 128 |
| DOT UN/NA Number: | UN1263 | | |

## 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, REACTIVE 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 |
|---|---|
| Xylene | 1330-20-7 |
| Toluene | 108-88-3 |
| Ethylbenzene | 100-41-4 |
| n-Butanol | 71-36-3 |

**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:

It is the policy of Rust-Oleum Corporation to use only TSCA compliant materials in its products.

### 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 |
|---|---|
| Limestone | 1317-65-3 |
| Polyethylene Polyamine Adduct | MIXTURE |
| Polyoxypropylenediamine | 9046-10-0 |

**Pennsylvania Right-to-Know:**

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

| Chemical Name | CAS Number |
|---|---|
| Limestone | 1317-65-3 |
| Polyethylene Polyamine Adduct | MIXTURE |
| Polyoxypropylenediamine | 9046-10-0 |

**California Proposition 65:**

WARNING! This product contains a chemical(s) known by the State of California to cause cancer.

WARNING! This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

## 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:** B3 D2B

## Section 16 - Other Information

**HMIS Ratings:**

Health: 2* Flammability: 3 Reactivity: 1 Personal Protection: X

**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.