

# 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: IC 5-GL MULTIPUR EPOXY WHT BSE -844      Revision Date: 04/24/2008

Identification Number: 247292

Product Use/Class: Custom Coating/Epoxy

Supplier: Rust-Oleum Corporation      Manufacturer: Rust-Oleum Corporation  
11 Hawthorn Parkway      11 Hawthorn Parkway  
Vernon Hills, IL 60061      Vernon Hills, IL 60061  
USA      USA

Preparer: Regulatory Department

## Section 2 - Composition / Information On Ingredients

| Chemical Name        | CAS Number | Weight % Less |  | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA | OSHA PEL CEILING |
|----------------------|------------|---------------|--|---------------|----------------|--------------|------------------|
|                      |            | Than          |  |               |                |              |                  |
| Epoxy Resin          | 25085-99-8 | 30.0          |  | N.E.          | N.E.           | N.E.         | N.E.             |
| Titanium Dioxide     | 13463-67-7 | 20.0          |  | 10 mg/m3      | N.E.           | 10 mg/m3     | N.E.             |
| Xylene               | 1330-20-7  | 10.0          |  | 100 PPM       | 150 PPM        | 100 PPM      | N.E.             |
| Methyl Acetate       | 79-20-9    | 10.0          |  | 200 PPM       | 250 PPM        | 200 PPM      | NE               |
| Benzyl Alcohol       | 100-51-6   | 5.0           |  | N.E.          | N.E.           | N.E.         | N.E.             |
| Ethylbenzene         | 100-41-4   | 5.0           |  | 100 PPM       | 125 PPM        | 100 PPM      | N.E.             |
| Methyl N-Amyl Ketone | 110-43-0   | 5.0           |  | 50 PPM        | 100 PPM        | 100 PPM      | N.E.             |

## Section 3 - Hazards Identification

\*\*\* Emergency Overview \*\*\*: Contains Aromatic Distillate, which may cause cancer. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. High vapor concentrations can irritate eyes, nose and respiratory passages. Causes nose and throat irritation. 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. Harmful if inhaled. Avoid breathing vapors or mists.

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). Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. 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 Titanium Dioxide in the formula.

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.

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

## **Section 4 - First Aid Measures**

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

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.

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: 27 F  
(Setaflash)

LOWER EXPLOSIVE LIMIT: 0.8 %  
UPPER EXPLOSIVE LIMIT : 16.0 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

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

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.

## **Section 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. Eliminate all ignition sources; use explosion-proof equipment. Place material in a container and dispose of according to local, provincial, state and federal regulations.

## **Section 7 - Handling And Storage**

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

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 any other circumstances where air purifying respirators may not provide adequate protection.

**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.

## Section 9 - Physical And Chemical Properties

|                                 |              |                   |                   |
|---------------------------------|--------------|-------------------|-------------------|
| Boiling Range:                  | 0 - 500 F    | Vapor Density:    | Heavier than Air  |
| Odor:                           | Solvent Like | Odor Threshold:   | ND                |
| Appearance:                     | Liquid       | Evaporation Rate: | Slower than Ether |
| Solubility in H <sub>2</sub> O: | Slight       |                   |                   |
| Freeze Point:                   | N.D.         | Specific Gravity: | 1.533             |
| Vapor Pressure:                 | ND           | PH:               | N.E.              |
| 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: N.D.

Product LC50: N.D.

**Chemical Name**

Epoxy Resin  
Titanium Dioxide  
Xylene  
Methyl Acetate  
Benzyl Alcohol  
Ethylbenzene  
Methyl N-Amyl Ketone

**LD50**

>5000 MG/KG RAT  
>7500 mg/kg (ORAL, RAT)  
4300, mg/kg (Oral Rat)  
>5000 mg/kg rat  
1230 MG/KG (ORAL, RAT)  
3500 mg/kg (ORAL, RAT)  
1600 mg/kg (ORAL, RAT)

**LC50**

N.D.  
N.D.  
5000 ppm/4hr (Inhalation, Rat)  
>16000 PPM 4 HR  
1000 PPM (8HR, RAT)  
N.D.  
N.D.

**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  | Packing Group:    | II  |
| DOT Technical Name:       | ---    | Hazard Subclass:  | --- |
| 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 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:

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**

Xylene  
Ethylbenzene

**CAS Number**

1330-20-7  
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**

Potassium Aluminosilicate

**CAS Number**

37244-96-5

**Pennsylvania Right-to-Know:**

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

**Chemical Name**

Potassium Aluminosilicate

**CAS Number**

37244-96-5

**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:** B2 D2A D2B

|                                       |
|---------------------------------------|
| <b>Section 16 - Other Information</b> |
|---------------------------------------|

**HMIS Ratings:**

Health: 2\*

Flammability: 3

Reactivity: 0

Personal Protection: X

**REASON FOR REVISION:** Regulatory Update

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

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.