

# Material Safety Data Sheet

**24 Hour Assistance:****1-847-367-7700****Rust-Oleum Industrial Flooring****www.toughandeasyfloors.com**

## 1. Identification

**Product Name:** Z910001 Water-based Epoxy Coat - Gloss Base  
**Revision Date:** 12/12/2012

**Identification Number:** Z910001

**Product Use/Class:** Water-Based Epoxy Coating

**Supplier:** Rust-Oleum Industrial Flooring  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA

**Manufacturer:** Rust-Oleum Industrial Flooring  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA

**Preparer:** Regulatory Department

## 2. Hazard Identification

**EMERGENCY OVERVIEW:** May cause allergic skin reaction; effects may be permanent. KEEP OUT OF REACH OF CHILDREN. Causes skin irritation. Harmful to aquatic life with long lasting effects. Causes Serious Eye Irritation. May cause allergic skin reaction. Causes eye irritation.

**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.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High vapor concentrations are irritating to the eyes, nose, throat and lungs.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Substance may be harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** 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

## 3. Composition/Information On Ingredients

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Bisphenol A Epoxy Resin	25068-38-6	65.0	N.E.	N.E.	N.E.	N.E.
Phenol, Polymer with Formaldehyde, Glycidyl Ether	28064-14-4	25.0	N.E.	N.E.	N.E.	N.E.
Alkyl (C13-15) Glycidyl Ether	68081-84-5	20.0	N.E.	N.E.	N.E.	N.E.

## 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.

## 5. Fire-fighting Measures

**Flash Point, °F** >200 (Calculated)

**EXTINGUISHING MEDIA:** Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No unusual fire or explosion hazards noted. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

**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.

## 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.

## 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.

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

## 8. Exposure Controls/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. 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.

**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.

## 9. Physical and Chemical Properties

<b>Vapor Density</b>	Heavier than Air	<b>Odor:</b>	Mild
<b>Appearance:</b>	Liquid	<b>Evaporation Rate:</b>	Slower than Ether
<b>Solubility in Water:</b>	Miscible	<b>Freeze Point:</b>	N.D.
<b>Specific Gravity:</b>	1.122	<b>pH:</b>	N.A.
<b>Physical State:</b>	Liquid		

(See section 16 for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid temperatures above 120 ° F.

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

**HAZARDOUS DECOMPOSITION:** 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

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Bisphenol A Epoxy Resin	5000 mg/kg (Rat)	N.E.
Phenol, Polymer with Formaldehyde, Glycidyl Ether	N.E.	N.E.
Alkyl (C13-15) Glycidyl Ether	N.E.	N.E.

## 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

	<b>Domestic (USDOT)</b>	<b>International (IMDG)</b>	<b>Air (IATA)</b>
<b>Proper Shipping Name:</b>	Not Regulated	Paint Related Material; unregulated	Paint Related Material; Not Regulated
<b>Hazard Class:</b>	N.A.	N.A.	N.A.
<b>UN Number:</b>	N.A.	N.A.	N.A.
<b>Packing Group:</b>	N.A.	N.A.	N.A.
<b>Limited Quantity:</b>	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:

Chronic 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:

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.

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

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

Canadian WHMIS Class: D2B

**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, g/L: 0

REASON FOR REVISION: Regulatory Update

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

Rust-Oleum Industrial Flooring 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 Industrial Flooring 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.