



# METAL ILLUSION EPOXY (PART B)

# SAFETY DATA SHEET

## 1 - PRODUCT and COMPANY INFORMATION

**Company Info:** iCoat Products, Inc. [www.icoatproducts.com](http://www.icoatproducts.com)  
**Company Address:** 1519 W. Grant St. Phoenix, AZ 85007, USA  
**Phone:** (602) 258-1114  
**Fax:** (602) 258-1119  
**Emergency:** For emergencies Call HAZMAT Services (24hours): (800) 373-7542  
**SDS Format:** According to ANSI Z400.1-2004

**Product Name:** Metal Illusion Epoxy (Part B)  
**Product Number:** MI-Epoxy (Part B)

**HMIS Classification:** H F R PP  
 2 1 0 G

## 3 - HAZARDS IDENTIFICATION

**Emergency Overview :** Irritant

### Potential Health Effects

**Target Organs:** Eye, Skin Contact, Inhalation, Ingestion.  
**Skin / Eye Contact:** Will cause burns to eyes and skin. High vapor concentrations can cause severe irritation to eyes.  
**Inhalation:** High concentrations of vapor can cause irritation to the respiratory tract, nausea and dizziness.  
**Ingestion:** Liquid can cause severe damage to mucous membranes if swallowed.  
**Chronic Health Effects:** Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic responses.  
**Aggravation of Pre-Existing Conditions:** Respiratory conditions or other allergic ailments.  
**Carcinogenicity:** OSHA: No NTP:No IARC:No  
 No listed ingredients of this product are regulated as carcinogens.

## 2 - COMPOSITION INFORMATION

Chemical Name	Cas #	Ingredient Percent	OSHA PEL	ACGIH TLV	OSHA STEL
2-Hydroxybenzoic Acid	69-72-7	Proprietary	NONE	NONE	NONE
3-Aminomethyl-3,5,5-Trimethyl Cyclohexane	2855-13-2	Proprietary	NONE	NONE	NONE
Benzyl Alcohol	100-51-6	Proprietary	NONE	NONE	NONE
Cycloaliphatic Amine Adduct	68609-08-5	Proprietary	NONE	NONE	NONE

\*\* NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLT III & OF 40 CFR 372 ARE PRESENT. \*\*

## 4 -FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with plenty of water for 15 – 20 minutes. Get medical attention immediately.  
**Skin Contact:** Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists. Remove contaminated clothing.  
**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.



**Ingestion:** Do not induce vomiting. Dilute by giving milk to drink if victim(s) is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## **5 - FIRE FIGHTING MEASURES**

**Flash Point:** 200° + F  
**Lower Flammable / Explosive Limit:** N/A  
**Upper Flammable / Explosive Limit:** N/A  
**Method Used:** SETA Flash  
**Extinguishing Media:** Use foam, alcohol foam, co2, or water fog or spray when fighting fires involving this material.

**Protective Equipment:** As in any fire, wear Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. Toxic fumes will be involved

**Unusual Fire & Explosion Hazard:** Toxic fumes will be evolved when this material is involved in a fire. A Self-Contained breathing apparatus should be available for fire fighting. Cool fire exposed containers with water.

**NFPA Ratings:**

NFPA Health:	2
NFPA Flammability:	1
NFPA Reactivity:	0

## **6 - ACCIDENTAL RELEASE MEASURES**

**Personnel Precautions:** Use proper personal protective equipment as listed in Section 8. Avoid contact with material

**Environmental Precautions:** Avoid runoff into storm sewers, ditches and waterways.

**Spill Cleanup Measures:** Absorb spill with inert material (e.g., dry sand or earth), then place in a waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. Pump liquid to salvage tank for disposal.

## **7 - HANDLING AND STORAGE**

**Handling:** Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

**Storage:** Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.

**Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

**Other:** Mixed materials contain hazards of all the components, therefore, read the MSDS of all components to become familiar with all hazards prior to using this product.

## **8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES**

**Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of personal protective equipment.

**Eye/Face Protection:** Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166

**Skin Protection:** Chemical-resistant gloves (neoprene or rubber) and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

**Respiratory Protection:**

A NIOSH 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.

**Other Protective:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Exposure Guidelines:**

Not Applicable

## **9 - PHYSICAL and CHEMICAL PROPERTIES**

<b>Physical State Appearance:</b>	Liquid with Amine Odor
<b>Color:</b>	Amber clear
<b>Boiling Point/Range:</b>	155 - 401 ° F
<b>Melting Point:</b>	No Data
<b>Specific Gravity (h20=1):</b>	1.0
<b>Vapor Density (Air = 1):</b>	Not Applicable
<b>Evaporation Rate:</b>	Not Applicable
<b>Solubility in Water:</b>	Negligible

## **10 - STABILITY and REACTIVITY**

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Avoid contact with open flames and all sources of ignitions and sparks.
<b>Incompatible Materials:</b>	Avoid contact with oxidizing agents, mineral acids and epoxy resins in uncontrolled amounts.
<b>Hazardous Decomposition:</b>	CO <sub>2</sub> , CO, NO <sub>x</sub> .

## **11 - TOXICOLOGICAL INFORMATION**

<b>CAS# 2855-13-2:</b>	Oral LD50 (rat) 1030mg/kg, skin irritation. Corrosive Category 1C where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days. Eye Irritation – Risk of serious damage to eyes. Product Sensitization (Magnusson –Kingman test) guinea pig: may cause sensitization by skin contact. Product Teratogenicity Oral (rat) NOEL (no observed effect level) 250mg/kg
<b>CAS# 69-72-7:</b>	Acute Oral Toxicity LD50 (rat) = 891mg/kg (behavioral somnolence, general depressed activity, behavioral muscle weakness). Acute Inhalation LC50 (rat) >900mg/m <sup>3</sup> . 1 hr. Acute Dermal LD50 (rabbit) >10,000mg/kg, Skin Irritation (rabbit) – Mild skin irritation – 24 hr. Eye Irritation (rabbit) – severe eye irritation.
<b>Component Benzyl Alcohol:</b>	Inhalation LC50 (4hr) >4178 mg/l (rat), Dermal LD50 2000 mg/kg (rabbit) Rats exposed to 800 mg/kg for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No observed Adverse effect level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in two year study with rats and mice.

## **12 - ECOLOGICAL INFORMATION**

<b>CAS# 2855-13-2:</b>	Biodegradability 42% and is not readily biodegradable. Bioaccumulation – no significant accumulation of the substance in organisms is to be expected. Mobility: The soil mobility of the substance is only minimally affected by adsorption to soil components. Toxicity to fish: LC50 <i>Lauciscus idus</i> 110 mg/l (96 hr). Toxicity to <i>Daphnia</i> NOEC 3mg/l (504 hr). EC50 <i>Daphnia Magna</i> 23mg/l (48 hr). ErC50 <i>scenedesmus subspicatus</i> 50mf/l (72 hr). NOEC <i>scenedesmus subpicatus</i> 1/5mg/l (2 hr). Toxicity to bacteria: EC10 <i>Pseudomonas putida</i> 1120mg/l (18 hr)
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**CAS# 69-72-7:**

Toxicity to fish: LC50 (leuciscus idus -96mg/l). Toxicity to Daphnia magna – 105mg/l (24hr). Component mutagenic Effects: Mutagenic for bacteria and/or yeast. Developmental toxicity: Classified reproductive system toxin/female, development toxin possible.

**Component Benzyl Alcohol:**

EC50 (48hr) 400mg/l Daphnia Magna. EC50 (72hr) 2600 mg/l Algae. Biodegradation BOD2 62, Slightly or not bioaccumulative. Toxicity to fish: LC50 (96hr) 10mg/l Bluegill sunfish (Iepomis macrochinus), LC50 (96hr) 460ml/l Fathead minnow (Pimephales promelas), Toxicity to Algae: LC50 (72hr) 700mg/l.

### **13 - DISPOSAL CONSIDERATIONS**

**Waste Disposal:**

Consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines. Dispose of in a Waste Disposal site.

### **14 - TRANSPORTATION INFORMATION**

**DOT UN Number:**

UN1760, Corrosive Liquid N.O.S. (Contains Isophorone Diamine), 8, PG III

**IMO/IMDG:**

UN1760, Corrosive Liquid N.O.S. (Contains Isophorone Diamine), 8, PG III

### **15 - REGULATORY INFORMATION**

**Component Benzyl Alcohol:**

E20/22 Harmful by inhalation and if swallowed. On TSCA List, on DSL Canada.

**Component CAS# 2855-13-2:**

Acute health hazard. Ingredients on TSCA, International Chemical status listed/registered – EINECS/ELINCS, DSL, AICS, MITI, TCOL, PICCS, China, New Zealand.

**Component CAS# 69-72-7:**

Component is on the Pennsylvania and New Jersey right to know lists. Component is on the TSCA and CANADA DSL Lists.

**Component CAS# 68609-08-5:**

Is on the Canada DSL and TSCA lists.

#### **Potential Health Effects Carcinogenicity:**

**OSHA:** NO  
**NTP:** NO  
**IARC:** NO

**No Listed ingredients of this product are regulated as carcinogens**

### **16 - ADDITIONAL INFORMATION**

**HMIS Health Hazard:** 2  
**HMIS Fire Hazard:** 1  
**HMIS Reactivity:** 0  
**HMIS Other:** G  
**MSDS Creation Date:** May 13, 2007  
**MSDS Revision Date:** July 17, 2017  
**MSDS Revision Notes:** MSDS to SDS Update  
**MSDS Author:** iCOAT Products, Inc.

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