1 - PRODUCT and COMPANY INFORMATION

Company Info: iCoat Products, Inc. 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 A
Product Number: MI-Epoxy (Part A)

HMIS Classification:

H	F	R	PP
1	1	0	B

2 - HAZARDS IDENTIFICATION

Emergency Overview : Irritant

Potential Health Effects
Target Organs: Eye, Skin Contact, Inhalation, Ingestion.
Skin / Eye Contact: May cause irritation or allergic skin response.
Inhalation: Prolonged or excessive inhalation of heated vapors may cause respiratory tract irritation
Ingestion: This material has probable low acute oral toxicity.
Chromic Health Effects: Epoxy resins can cause sensitization by exposure through contact or high concentrations of vapor. Eye injury is unlikely but stain for evidence of corneal injury.
Aggravation of Pre-Existing Conditions: Respiratory conditions or other allergic response.

3 - COMPOSITION INFORMATION

Chemical Name	Cas #	OSHA PEL	ACGIH TLV	OSHA STEL
Modified Diglycidyl Ether of Bisphenol A	25068-38-6	NONE	NONE	NONE
Alkyl Glycidyl Ether	68609-97-2	NONE	NONE	NONE
Siloxanes & Silicones, di-me reactions products with silica (non-hazardous)	67762-90-7	NONE	NONE	NONE
Siloxanes & Silicones, di-methyl (non-hazardous)	63148-62-9	NONE	NONE	NONE
Nonyl Phenol	25154-52-3	NONE	NONE	NONE
Benzyl Alcohol	100-51-6	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, if irritation or symptoms of overexposure persists.

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. Seek immediate medical attention.

Ingestion: Low in toxicity, induce vomiting only if large amounts of material are ingested, otherwise do not induce vomiting and consult a physician. Never give anything by mouth to an unconscious person.

Other First Aid: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

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, dry chemical 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.
Unusual Fire & Explosion Hazard: No unusual fire hazards known. Cool all fire exposed containers with water.

NFPA Ratings:
NFPA Health: 1
NFPA Flammability: 1
NFPA Reactivity: 0

6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions: Use proper personal protective equipment as listed in Section 8.
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. Flush area with water to remove residue

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: Contaminated leather articles cannot be cleaned and must be discarded. Wash all contaminated clothing prior to the reuse.

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

Physical State Appearance:	Low Viscosity Liquid
Color:	Amber clear
Boiling Point:	200+ ° F
Melting Point:	No Data
Flash Point:	200 + ° F
Specific Gravity (h20=1):	1.1
Vapor Density:	Not Applicable (Air = 1)
Evaporation Rate:	Not Applicable
Solubility in Water:	Negligible

10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid excessive heat or open flames.
Incompatible Materials:	Can react vigorously with oxidizing agents and strong lewis acids or mineral acids.
Hazardous Decomposition:	C02, Aldehydes, acids, reaction with some curing agents can generate large amounts of heat.

11 - TOXICOLOGICAL INFORMATION

CAS# 25068-38-6:	Moderate sensitizer, slight eye irritant, moderate skin irritant, oral LD50>5000 mg/kg (rat), Dermal LD50 >6000 mg/kg (rabbit)
CAS# 68609-97-2:	Possible sensitizer, eye and skin irritant, Oral LD50>5000 mg/kg (rat), Inhalation LD50 – no microscopic changes.
Component Nonyl Phenol:	Median Lethal Dose Oral: LD50 0.58g/kg (rat) moderately toxic. Dermal LD50 2.14g/kg (rabbit) slightly toxic. Skin Draize Test, Rabbit: 500mg/m3 24hr – corrosive. Eyes Draize Test, Rabbit: 57.00/110 – Extremely irritating. Component is a possible risk impaired fertility.
Component Benzyl Alcohol:	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

CAS# 25068-38-6:	Biodegradability (Modified Sturm Method) 12%, Fish Toxicity: Rainbow trout (96hr) LC50 1.5mg/l, Zebra Fish (96 hr) LC50 2.4mg/l. Invertebrate Toxicity: Daphnia Toxicity (24hr) EC50 3.6mg/l
Component Nonyl Phenol:	Median Lethal Dose Oral: LD50 0.58g/kg (rat) moderately toxic. Dermal LD50 2.14g/kg (rabbit) slightly toxic. Skin Draize Test, Rabbit: 500mg/m3 24hr – corrosive. Eyes Draize Test, Rabbit: 57.00/110 – Extremely irritating. Component is a possible risk impaired fertility.
Component Benzyl Alcohol:	EC50 , (48hr) 400 mg/l Daphnia Magna, EC50 (72hr) 2600 mg/l Algae, Biodegradation BOD2 62, Slightly or not bioaccumulative, Toxicity to fish: LC50 (96hr) 10 mg/l Bluegill sunfish (Lepomis macrochinus), LC50 (96hr) 460 ml/l Fathead minnow (Pimephales promelas), Toxicity to Algae: LC50 (72hr) 700 mg/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:	Not Regulated
IMO/IMDG:	UN3082, Environmentally hazardous substances, liquid, N.O.S. (Contains Bisphenol A Diglycidyl Ether Polymer), 9, PGIII

15 - REGULATORY INFORMATION

CAS# 25068-38-6:	Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada , WHMIS class D2B; is on the New Jersey Right to Know list; is on the Pennsylvania Right to Know list.
CAS# 68609-97-2:	Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada ; is on the New Jersey Right to Know list; is on the PA Right to Know list.
Component Benzyl Alcohol:	E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada.
Component Nonyl Phenol:	Component is listed on TSCA list, EINECS, ACIS, MITI and Canada DSL Lists.

Components Siloxanes and Sillicones, Di-Methyl: Included on TSCA, EINECS, MITI, ACOIN, and Canadian DSL Inventory or Lists.

Components Siloxanes and Sillicones, Di-Me reactions products with Silica: Included on TSCA, EINECS, MITI, ACOIN, and Canadian DSL Inventory or Lists.

EPA SARA Title III section 313 Components above the de minimus level: None

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:	1
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Other:	B
MSDS Creation Date:	June 26, 2006
MSDS Revision Date:	July 17, 2017
MSDS Revision Notes:	MSDS to SDS Update
MSDS Author:	iCOAT Products, Inc.

Disclaimer:

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