



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
CHEMTREC: For emergencies in the US Call CHEMTREC: (800) 424-9300
Canutec: In Canada, all CANUTEC: (613) 996-6666 (call collect)
MSDS Format: According to ANSI Z400.1-2004

Product Name: Metal Illusion Epoxy Primer
Product Number: MI-Primer (Epoxy)

HMIS Classification: H F R PP
1 1 0 x
* Chronic Health Effects

2 - COMPOSITION INFORMATION

Chemical Name	Cas #	Ingredient Percent
Dipropylene glycol butoxy ether	29911-28-2	1 - 5 by weight
Dipropylene glycol monomethyl ether	34590-94-8	1 - 5 by weight
Nepheline Syenite	37244-96-5	5 - 10 by weight
Ethylene glycol	107-21-1	1 - 5 by weight
Titanium dioxide	13463-67-7	5 - 10 by weight
Styrene acrylic polymers	No Data	10 - 30 by weight
Non hazardous ingredient (s)	No Data	30 - 60 by weight
Undisclosed / Proprietary	No Data	1 - 5 by weight

3 - HAZARDS IDENTIFICATION

Emergency Overview : Irritant

Potential Health Effects

Target Organs: Eye, Skin Contact, Inhalation, Ingestion.
Skin / Eye Contact: May cause irritation.
Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation
Ingestion: May be harmful if swallowed. May cause vomiting.
Chronic Health Effects: Prolonged or repeated contact may cause skin irritation.
Aggravation of Pre-Existing Conditions: None generally recognized.

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.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.



Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. 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: No Data
Lower Flammable / Explosive Limit: N/A
Upper Flammable / Explosive Limit: N/A
Extinguishing Media: Use alcohol resistant foam, carbon dioxide, and 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.

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 chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

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.

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 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: Dipropylene glycol monomethyl ether:
Guideline ACGIH: TLV-TWA: 100 ppm
TLV-STEL: 150 ppm
Guideline OSHA: OSHA-TWA: 100 ppm
OSHA-STEL: 150 ppm

Ethylene glycol:
Guideline ACGIH: TLV-STEL: C 100 mg/m³ (aerosol only)

Titanium Dioxide:
Guideline ACGIH: TLV-TWA: 10 mg/m³
Guideline OSHA: OSHA-TWA: 15 mg/m³

9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Liquid
Color: Translucent
Boiling Point: No Data
Melting Point: No Data
Density: 8 – 10 lbs. / Gallon
Vapor Density: Greater than 1 (Air = 1)
pH: 8.5 to 9.5
Molecular Formula: Mixture
Molecular Weight: Mixture
Flash Point: No Data
VOC Content: Material VOC: 97 gm/l (Includes Water)
Coating VOC: 243 gm/l (Excludes Water)

10 - STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Hazardous Polymerization: Not Reported.
Conditions to Avoid: Heat, flames, incompatible materials and freezing or temperatures below 32 ° F.
Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

11 - TOXICOLOGICAL INFORMATION

Dipropylene glycol butoxy ether:
RTECS Number: UA8200000
Eye: Eye – Rabbit; Standard Draize Test : 100 mg; No effects reported. (RTECS)
Skin: Skin – Rabbit LD50 : 5860 uL/kg; Behavioral – somnolence (general depressed activity) Gastrointestinal – hypermotility, diarrhea lungs, Thorax or respiration – other changes (RTECS)
Ingestion: Ingestion – Rat LD50: 160 uL/kg; Behavioral – somnolence (general depressed activity) Behavioral – ataxia
Skin and Appendages – hair (RTECS)

Dipropylene glycol monomethyl ether:
RTECS Number: JM1575000
Eye: Eye – Rabbit; Standard Draize Test : 500 mg/ 24h ; Mild. (RTECS)
Skin: Skin – Rabbit; Open irritation : 5400 uL/kg; Details of toxic effects not reported other than lethal dose value.
Ingestion: Ingestion – Rat LD50: 5.5 ml/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)

Ethylene glycol:



RTECS Number: KW2975000
Eye: Eye – Rabbit; Standard Draize Test : 500 mg/ 24h; Mild.
Eye – Rabbit; Standard Draize Test : 1440 mg/ 6h; Moderate. (RTECS)
Skin: Skin – Rabbit; Open irritation : 550 mg; Mild. (RTECS)
Inhalation: Inhalation – Rat LC: >200 mg/m³/ 4H; Details of toxic effects not reported other than lethal dose value.
Inhalation – Mouse LC: >200 mg/m³/ 2H; Details of toxic effects not reported other than lethal dose value.
(RTECS)
Ingestion: Ingestion – Rat LD50: 4700 mg/kg; Details of toxic effects not reported other than lethal dose value. (RTECS)

Titanium dioxide:

RTECS Number: XR2275000
Skin: Skin – Rabbit; Standard Draize Test: 300 ug/3D; (Intermittent) mild. (RTECS)
Ingestion: Ingestion – Rat TDLo: 60 gm/kg; Gastrointestinal –hypermotility, diarrhea
Gastrointestinal – other changes. (RTECS)

12 - ECOLOGICAL INFORMATION

Ectotoxicity: No ectotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waster prior to disposal. Furthermore, 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.

14 - TRANSPORTATION INFORMATION

DOT UN Number: No Data
DOT Hazard Class: No Data

15 - REGULATORY INFORMATION

California PROP 65: Warning: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

Dipropylene glycol butoxy ether:

TSCA Inventory Status: Listed
Canada DSL: Listed

Dipropylene glycol monomethyl ether:

TSCA Inventory Status: Listed
State Regulations: Listed in New Jersey State Right to Know List.
Listed in Pennsylvania State Hazardous Substances List.
Canada DSL: Listed

Nepheline Syenite:

TSCA Inventory Status: Not Listed
Canada DSL: Listed

Ethylene glycol:

TSCA Inventory Status: Listed
State Regulations: Listed in New Jersey State Right to Know List.
Listed in Pennsylvania State Hazardous Substances List.
Canada DSL: Listed



Titanium dioxide:

TSCA Inventory Status: Listed
State Regulations: Listed in New Jersey State Right to Know List.
Listed in Pennsylvania State Hazardous Substances List.
Canada DSL: Listed

16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Other: x
MSDS Creation Date: June 26, 2006
MSDS Revision Date: September 9, 2009
MSDS Revision Notes: Quarterly Formula Update
MSDS Author: iCOAT Products, Inc.

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this sheet.

Trademark: The trademarks, service marks, graphics and logos used on this MSDS are registered or unregistered trademarks of iCOAT Products Inc. All Rights Reserved.