

MATERIAL SAFETY DATA SHEET

SECTION I

Date of Preparation

June 2011

PRODUCT NAME: ICO Primer LV
PRODUCT CLASS: Epoxy Resin, Part A
PRODUCT TYPE: 4,4 'Isopropylidenediphenol Epichlorohydrin Resin
D.O.T. CATEGORY: Chemical, NOIBN
ADDRESS: International Coatings
Div. of Milamar Coatings, L.L.C.
311 N.W. 122nd St. Ste. 100
Oklahoma City, OK 73114
TELEPHONE: 405-755-8448
EMERGENCY: CHEM TEL 800-255-3924

SECTION II - HAZARDOUS INGREDIENTS

NFPA HAZARD RATINGS: Health 1, Flammability 1, Reactivity 0

Listed below are the hazardous component(s) as defined in 49 CFR 172 and 29 CFR 1910 which are present in this product and all components which appear on the hazardous substance list of any state:

NONE

SECTION III - PHYSICAL DATA

PHYSICAL STATE: Moderate viscosity, pale yellow liquid
SPECIFIC GRAVITY: 1.15 at 77°F
DENSITY: 9.6 lbs/gal
SOLUBILITY: Negligible
ODOR: Faint epoxy
PERCENT VOLATILES: 0 at 70°F

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 485°F (Pensky Martens Closed Cup)
EXTINGUISHING DATA: Foam, Dry Chemical, Carbon Dioxide (CO₂)
FLAMMABILITY LIMITS: LFL : NA
UFL: NA

FIRE FIGHTING INSTRUCTIONS: Use water spray to cool fire-exposed containers until fire is out. Wear positive pressure self-contained breathing apparatus and full protective equipment.

HAZARDOUS COMBUSTION PRODUCTS: Mainly phenolics, CO and H₂O; hence, thermal decomposition products should be treated as potentially hazardous substances.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

EYE: May cause temporary eye irritation. Corneal injury unlikely
SKIN: Prolonged exposure not likely to cause significant skin irritation. Repeated exposure may cause skin irritation. Has caused allergic skin reaction in humans. A single prolonged exposure is not likely to result in material being absorbed into skin.
INGESTION: Single dose oral toxicity is extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.
INHALATION: Unlikely due to absence of vapors
SYSTEMIC(OTHER TARGET ORGAN EFFECTS):
Except for skin sensitization, repeated exposures not anticipated to cause any significant adverse effects.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes, holding eyelid open. **GET MEDICAL ATTENTION**
SKIN: Wash thoroughly with water while removing contaminated clothing and shoes. Wash clothing before re-use and discard contaminated leather articles. **GET MEDICAL ATTENTION** if effects such as swelling or reddening occur.
INHALATION: Remove to fresh air if effects occur and administer oxygen if necessary. **GET MEDICAL ATTENTION** if effects persist.
INGESTION: **GET MEDICAL ATTENTION IMMEDIATELY** Induce vomiting immediately by depressing back of tongue with a finger or drinking one or more glasses of salt water.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal storage conditions.

INCOMPATIBILITY: Avoid bringing into contact with strong oxidizing agents, and strong Lewis or mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS: See Section IV

SECTION VII - SPILL OR LEAK PROCEDURE

IF MATERIAL IS SPILLED: Avoid contact with material. Persons not wearing appropriate protective equipment (see below) should be excluded from the area of spill until clean-up is complete. Stop spill at source, dike area to prevent spreading, pump liquid to salvage tank. Remaining Liquid may be taken up on clay, diatomaceous earth or other absorbent and shoveled into disposal containers.

WASTE DISPOSAL METHOD: This product if disposed as shipped is not a hazardous waste as specified under 40 CFR 261. Controlled incineration or buried landfill disposal should be in accordance with all Federal, State & Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: No respiratory protection should be needed

VENTILATION: Local

HAND PROTECTION: Impervious gloves, neoprene or rubber.

EYE PROTECTION: Splash proof goggles or safety spectacles with side shields.

OTHER PROTECTIVE EQUIPMENT: Clean Body-covering clothing. Further safety equipment (apron, footwear, etc.) should be used as necessary to prevent contact with material.

EXPOSURE GUIDELINES: None established

SECTION IX - SPECIAL PRECAUTIONS

1. Prevent all skin and eye contact.
2. Re-seal part used containers.
3. Ensure that all containers are properly labeled to prevent accidental ingestion.
4. Wash with soap and water before eating, drinking, smoking or using toilet facilities.
5. Observe conditions of good industrial hygiene and safe working practice.

SECTION X – REGULATORY INFORMATION

WHMIS INFORMATION: D2B – skin sensitizer

THE INFORMATION HEREIN RELATES TO THE PRODUCT NAMED AND IS BASED UPON INFORMATION INTERNATIONAL COATINGS CONSIDERS TO BE ACCURATE. NO WARRANTY EXPRESSED OR IMPLIED IS INTENDED.

MATERIAL SAFETY DATA SHEET

SECTION I

DATE OF PREPERATION

November 2011

PRODUCT NAME: **ICO Primer LV**
PRODUCT CLASS: Epoxy Resin Hardener, Part B
PRODUCT TYPE: Modified amines
D.O.T. CATEGORY: UN 2735 Amines, Liquids Corrosive, N.O.S. (Polyetheramine) 8 PG III
ADDRESS: **International Coatings**
Div. of Milamar Coatings, L.L.C.
311 N.W. 122nd St. Ste. 100
Oklahoma City, OK 73114
TELEPHONE: 405-755-8448
EMERGENCY: CHEM TEL 800-255-3924

SECTION II - HAZARDOUS INGREDIENTS

NFPA Hazard Ratings– Health 2, Flammability 1, Reactivity

Ingredients	CAS#	Max Content	Exposure Limit
Polyether amines	9046-10-0	65%	None Assigned
4-tert-Butylphenol	98-54-4	10-20%	None assigned
M-Xylenediamine	1477-55-0	10-20%	None assigned

SECTION III - PHYSICAL DATA

PHYSICAL STATE: Low Viscosity, amber color
SPECIFIC GRAVITY: 1.0 at 77°F
DENSITY: 8.5 lbs/gal at 77° F
ODOR: Amine
VAPOR PRESSURE: Less than 1 mm Hg @ 68°F
PERCENT VOLATILES: 0 AT 70°F

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200°F (Setaflash Closed Cup)
LFL: No data
UFL: No data
EXTINGUISHING MEDIA: Water fog, Alcohol Foam, CO₂, Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES: Use a positive pressure, self-contained breathing apparatus.
Wear full protection coating.
Note: Will burn under right conditions of heat and oxygen supply.

SECTION V - HEALTH HAZARD DATA

PERMISSABLE EXPOSURE LEVELS: NONE ESTABLISHED

EFFECTS OF OVER EXPOSURE

INHALATION May cause nasal irritation, central nervous system depression or lung injury.
EYES This product can cause chemical burns to eyes. Eye damage may be irreversible.

SKIN May be corrosive or highly irritating to the skin. Repeated contact may cause sensitization and/or dermatitis.

FIRST AID

EYES Flush with water for at least 15 minutes. **GET MEDICAL ATTENTION**

SKIN Wash thoroughly with water. Remove contaminated clothing and shoes. Wash clothing before re-use. Get medical attention if effects such as swelling or reddening occur.

INHALATION Remove to fresh air if effects occur and administer oxygen if necessary. **GET MEDICAL ATTENTION.**

INGESTION **GET MEDICAL ATTENTION IMMEDIATELY.** Do not induce vomiting unless directed by physician.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal storage conditions.

INCOMPATIBILITY: Avoid bringing into contact with strong oxidizing agents, and strong Lewis or Mineral acids, bases

HAZARDOUS DECOMPOSITION PRODUCTS:

CO (Carbon Monoxide)

CO₂ (Carbon Monoxide)

Acids

Aldehydes

SECTION VII - SPILL OR LEAK PROCEDURE

STEPS TO TAKE IF SPILLED:

Using adequate protective equipment, add dry material to absorb spill (if large spill, first dike to contain). Pick up and containerize. Flush area with dilute (5%) acetic acid. Collect rinsate for sewer or disposal.

WASTE DISPOSAL:

This product, if disposed as shipped, is a hazardous waste as specified in 40 CFR 261 on the basis of its corrosivity. Consult state or local officials for proper disposal method.

SECTION VIII - SPECIAL PRECAUTION INFORMATION

VENTILATION REQUIREMENTS Local, except if applied in confined spaces, where adequate respiratory protection is required.

PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED FOR NORMAL USE CONDITIONS:

Eye protection: Chemical goggles.

SKIN PROTECTION: Rubber or plastic gloves.

RESPIRATORY PROTECTION: Respirator with organic vapor cartridge N/A with local exhaust.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep container tightly closed when not in use. Store in a dry location.

SECTION X - TRANSPORTATION

DOT PROPER NAME: Amines, Liquids Corrosive, N.O.S. (Polyetheramine)

DOT HAZARD CLASSIFICATION OR DIVISION: 8

IDENTIFICATION NUMBER: UN 2735

PACKAGING GROUP: III

LABELS REQUIRED: Corrosive

SECTION XI – REGULATORY INFORMATION

WHMSIS CLASSIFICATION – Class E, Corrosive

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