

MATERIAL SAFETY DATA SHEET

SECTION I

DATE OF PREPARATION

June 2011

PRODUCT NAME: **ICO Floor CoatingXFC**
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

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, amber liquid
SPECIFIC GRAVITY: 1.82 at 77°F
DENSITY: 15.14 lbs/gal
PERCENT VOLATILES: 0 at 70°F

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 200°F (Pensky Martens Closed Cup)
EXTINGUISHING DATA: Foam, Dry chemical, Carbon Dioxide (CO₂)
NOTE: Toxic fumes will be evolved when this material is involved in a fire. Self-contained breathing apparatus should be available for fire fighters. Cool fire-exposed containers with water.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

ACUTE: High concentrations of vapor cause irritation of eyes and respiratory tract. May cause burns to skin and eyes. Liquid causes damage to mucous membranes if swallowed.
CHRONIC: Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes, holding eyelids 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** 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
HAZARDOUS DECOMPOSITION PRODUCTS:
CO(Carbon Monoxide) CO₂(Carbon Dioxide) Acids Aldehydes

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 on 40CFR261. Controlled incineration or buried landfill disposal should be in accordance with all Federal, State, and Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH approved respiratory protection required in the absence of proper environmental control. For emergencies, a self-contained breathing apparatus, or a full-face respirator is recommended.

VENTILATION: Local, except in confined space, e.g., tanks, in which case proper respiratory protection (see above) is required.

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.

SECTION IX - SPECIAL PRECAUTIONS

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

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 PREPARATION

June 2011

PRODUCT NAME: ICO Floor Coating XFC
PRODUCT CLASS: Epoxy Resin Hardener, Part B
PRODUCT TYPE: Modified Aliphatic Amine
D.O.T. CATEGORY: UN 3267 Corrosive liquid, Basic, Organic N.O.S (Aminoethylpiperazine, 4-Nonylphenol) 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 3, Flammability 1, Reactivity 1, Other Corrosive

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.

Aminoethylpiperazine Corrosive, Toxic CASRN 00104318 <40%

Toxic corrosive, Harmful if swallowed, inhaled or absorbed through skin. Highly corrosive to eyes, skin and mucous membranes. Exposure limits: None established. Ref: RTECS #TK8050000

Bisphenol A Irritant: CASRN 00080057 <15% =/-00

Irritant. May be harmful by inhalation, ingestion or skin absorption. Exposure limits: None established. Ref: RTECS #SL6300000. Sara 313 list

Nonylphenol Irritant CASRN 84852153 15.00+/-00 Irritant; severely irritating to eyes and skin. Exposure limits: None established. Ref: #SM5600000

SECTION III - PHYSICAL DATA

APPEARANCE: Clear Yellow liquid
ODOR: Slight ammoniated
PHYSICAL PROPERTIES:
BOILING POINT: N/A
MELTING POINT: N/D
SPECIFIC GRAVITY: 1.0
VAPOR DENSITY: N/D
PERCENT VOLATILES: 0 at 70° F
WATER MISCIBILITY: Moderate 1-10%

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 178°F (Setaflash Closed Cup).

Lower flammable limit: N/D

Upper flammable limit: N/D

EXTINGUISHING MEDIA: Foam, Dry Chemical, Carbon Dioxide (CO₂), Water

UNUSUAL FIRE OR EXPLOSION HAZARDS (Conditions to avoid): May produce hazardous fumes or hazardous decomposition products.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SPECIAL FIRE FIGHTING PROCEDURES: When fire fighting, wear full protective equipment including self-contained breathing apparatus.

SECTION V - HEALTH HAZARD DATA

TEST TYPE	RESULT	TYPE	ANIMAL SPECIES	HAZARD RANK
Dermal Toxicity	POS		Rabbit	Moderate
Eye Irritation	<72	0-110 Range	Rabbit	Serious
Oral Toxicity	>.5	G/KG EST LD50	Rat	Moderate
Skin Irritation	4.96	0-8 Range	Rabbit	Severe
LC(50) - N/D				
LC(50) - N/D				

FIRST AID RECOMMENDATIONS:

SKIN AND EYE CONTACT: **Danger!** Causes severe skin and eye irritation or burns. Do not get product in eyes, on skin or clothing. Wear recommended protective equipment. Wash thoroughly after handling.

FIRST AID: Immediately flush with water for at least 15 minutes while removing contaminated clothing. Call a physician.

INHALATION: **Caution!** May be harmful if inhaled. Do not inhale product. Keep container closed. Use only with adequate ventilation.

FIRST AID: Move to fresh air. If breathing is difficult, give oxygen. **CALL A PHYSICIAN**

ORAL INGESTION: **CAUTION:** May be harmful if swallowed. Wash thoroughly after handling.

FIRST AID: If swallowed, immediately drink a large quantity of milk or water and call a physician.

OTHER: No carcinogenicity, mutagenicity or teratogenicity effects are known. No effects of chronic exposure or target organ effects are known. No exposure limits have been established for this product as formulated.

SECTION VI - REACTIVITY DATA

INCOMPATIBLE MATERIALS (Materials to avoid): Oxidizers

Product is stable under normal conditions.

Hazardous polymerization will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

STEPS TO TAKE IF SPILLED: Using recommended 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 classified as corrosive and as such must be disposed of according to Federal, State and local regulations.

SECTION VIII - SPECIAL PRECAUTIONS

VENTILATION REQUIREMENTS: Local

PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED FOR NORMAL USE:

EYE PROTECTION: Chemical goggles

SKIN PROTECTION: Rubber or plastic gloves

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

SECTION IX - TRANSPORTATION

DOT PROPER SHIPPING NAME: Corrosive liquid, Basic, Organic N.O.S (Aminoethylpiperazine 4-Nonylphenol)

DOT HAZARD CLASSIFICATION OR DIVISION 8

IDENTIFICATION NUMBER UN 3267

PACKAGING GROUP III

LABELS REQUIRED: Corrosive

SECTION X – REGULATORY INFORMATION

WHMSIS CLASSIFICATION – Class E, Corrosive

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