MATERIAL SAFETY DATA SHEET

SECTION I

DATE OF PREPARATION June 2011

ICO Floor CoatingSY XFC

PRODUCT NAME: PRODUCT CLASS: **Epoxy Resin Part A** 4.4-Isopropylidenediphenol Epichlorohydrin Resin **PRODUCT TYPE: D.O.T. CATEGORY:** Chemical, NOIBN **International Coatings** Div. of Milamar Coatings, L.L.C. 311 N.W. 122nd St. Ste. 100 Oklahoma City, OK 73114 405-755-8448

TELEPHONE: EMERGENCY:

ADDRESS:

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:

CHEM TEL 800-255-3924

NONE

SECTION III - PHYSICAL DATA

PHYSICAL STATE: SPECIFIC GRAVITY: DENSITY: **PERCENT VOLATILES**

Moderate viscosity, amber liquid 1.82 at 77°F 15.14 lbs/gal 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:	IN: 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.					
INCOMPATIBI	LITY: 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

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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: PRODUCT CLASS: PRODUCT TYPE: D.O.T. CATEGORY:

ADDRESS:

TELEPHONE: EMERGENCY:

ICO Floor Coating SY XFC

Epoxy Resin Hardener, Part B Modified Aliphatic Amine UN 3267 Corrosive liquid, Basic, Organic N.O.S (Aminoethylpiperazine, 4-Nonylphenol) 8 PG III International Coatings Div. of Milamar Coatings, L.L.C. 311 N.W. 122nd St. Ste. 100 Oklahoma City, OK 73114 405-755-8448 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 absorbtion. 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	
APPERANCE:	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 MISCIBILTY:	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 LC(50) - N/D LC(50) - N/D	4.96	0-8 Range	Rabbit	Severe	

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: Loca	l				
PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED FOR NORMAL USE:					
/E PROTECTION: Chemical goggles					
KIN PROTECTION Rubber or plastic gloves					
RESPIRATORY PROTECTION: Resp	' 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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