MATERIAL SAFETY DATA SHEET

SECTION I

DATE OF PREPARATION June 2011

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

ICO Coat FC

Epoxy Resin Part A 4.4-Isopropylidenediphenol Epichlorohydrin Resin 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 CHEM TEL 800-255-3924

TELEPHONE: EMERGENCY:

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

amber liquid

PHYSICAL STATE:	Moderate viscosity,
SPECIFIC GRAVITY:	1.69 at 77°F
DENSITY:	14 lbs/gal
PERCENT VOLATILES	0 at 70°F

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: EXTINGUISHING DATA: 200°F (Pensky Martens Closed Cup) 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 can cause 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. INGESTION: GET MEDICAL ATTENTION IMMEDIATELY Do not** induce vomiting unless directed by

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 Monoxide)

Aldehydes

Acids

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 METHODThis 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.

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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 PREPERATION June 2011

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

ICO Coat FC

Epoxy Resin Hardener, Part B Modified amines UN 1760 Corrosive liquid, N.O.S. (Amine Mixture) 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

TELEPHONE: EMERGENCY:

SECTION II - HAZARDOUS INGREDIENTS

					<u>Exposu</u>	ire Limits
Ingredient	CAS #	Maximum Content	TLV	PEL	<u>LD 50/ Ora</u> l	<u>LD50/Derma</u> l
Polyoxypropylene- diamine	9046-10-0	10%	NE	NE	1.6/kg	>60mg/kg
N- Aminoethyl Piperazine	140-31-8	40%	NE	NE	>2.3/kg	<2g/kg
1,2 - Cyclohexanediamine	694-83-7	5%	NE	NE	2.3/kg	NE

SECTION III - PHYSICAL DATA				
PHYSICAL STATE:	Low Viscosity, amber color			
SPECIFIC GRAVITY:	1.03 at 77°F			
DENSITY:	8.5 lbs/gal at 77º F			
ODOR:	Slight ammoniated			
VAPOR PRESSURE:	Less than 1 mm Hg @ 68°F			
PERCENT VOLATILES:	0 AT 70°F			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: LFL: UFL:

>200°F (Setaflash Closed Cup)

No data

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 EXPO	
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 PRODU	OTS.					
HAZARDOUS DECOMPOSITION PRODUCTS: CO (Carbon Monoxide) CO ₂ (Carbon Monoxide) Acids Aldehydes						
		7101010	Autoryaco			
SECT	SECTION VII - SPILL OR LEAK PROCEDURE					
and containerize. Flush area with dilute WASTE DISPOSAL: This product, if disposed as shipped, is	e (5%) acetic acid. C a hazardous waste	ollect rinsate for	arge spill, first dike to contain). Pick up sewer or disposal. D CFR 261 on the basis of its corrosivity.			
Consult state or local officials for prope	r disposal method.					
SECTION	III - SPECIAL PR	ECAUTION INI	FORMATION			
VENTILATION REQUIREMENTS Local, ex	cept if applied in co	onfined spaces, w	here adequate respiratory			
protection is required.						
-	PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED FOR NORMAL USE CONDITIONS:					
Eye protection:	Chemical goggles.					
SKIN PROTECTION: RESPIRATORY PROTECTION:		Rubber or plastic gloves. Respirator with organic vapor cartridge N/A with local exhaust.				
RESPIRATORY PROTECTION:	Respirator with c	organic vapor can	ndge N/A with local exhaust.			
SECTION IX - SPECIAL PRECAUTIONS						
PRECAUTIONS TO BE TAKEN IN HANDL	ING AND STORING:					
Keep container tightly closed when not in use. Store in a dry location.						
SECTION X - TRANSPORTATION						
DOT PROPER NAME:	Corrosiv	e liquid, N.O.S. (A	mine Mixture)			
DOT HAZARD CLASSIFICATION OR DIV						
INDENTIFICATION NUMBER:	UN 1760)				
PACKAGING GROUP:	111					
LABELS REQUIRED:	Corrosiv	e				
0.503						

SECTION XI – REGULATORY INFORATION

WHMSIS CLASSIFICATION - Class E, Corrosive

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