DPM 1132

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

rety. 5/26/82

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: Fiber-Resin Corporation	EMERGENCY TELEPHONE NO.: (213)849-4613
ADDRESS (Number, Street, City, State, and ZIP Code): 170 West Providencia Ave., Burbank, California 91503	
CHEMICAL NAME AND SYNONYMS:	TRADE NAME AND SYNONYMS: C-14 PART A
CHEMICAL FAMILY: Epoxy	FORMULA: Proprietary

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS Epoxy Resin	80-90%		BASE METAL		
CATALYST Polysulfide polymer	10-20%		ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

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SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	> 300°F.	SPECIFIC GRAVITY (H_2O=1)	1.16
VAPOR PRESSURE (mm Hg.)	very low	PERCENT, VOLATILE BY VOLUME (%)	NIL
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	NIL
SOLUBILITY IN WATER	1%		
APPEARANCE AND ODOR	Sulphurous odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 300°F.	FLAMMABLE LIMITS	Lel	Uel

EXTINGUISHING MEDIA: Water, Foam

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

(Continued on reverse side)

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE May cause dermatitis on repeated skin contact.

EMERGENCY AND FIRST AID PROCEDURES Apply lotion, see a physician if necessary.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)* None

HAZARDOUS DECOMPOSITION PRODUCTS None

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wipe up with MEK (Methyl Ethyl Ketone)

WASTE DISPOSAL METHOD Incinerate or approved landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)* Not required

VENTILATION	LOCAL EXHAUST	SPECIAL
	normal room ok.	
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
optional	optional

OTHER PROTECTIVE EQUIPMENT protective hand cream beneficial

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store in sealed cans to prevent moisture contamination.

OTHER PRECAUTIONS

GPO 934-110

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SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Fiber-Resin Corporation	(213)849-4613

ADDRESS *(Number, Street, City, State, and ZIP Code)*
170 West Providencia Ave., Burbank, California 91503

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Epoxy Curing Agent	C-14 PART B

CHEMICAL FAMILY	FORMULA
Alkyleneamine	$H_2NCH_2CH_2NHCH_2CH_2NH_2$

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Alkyleneamine	100	10

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	403°F.	SPECIFIC GRAVITY (H_2O=1)	.95
VAPOR PRESSURE (mm Hg.)	< 1 mm	PERCENT, VOLATILE BY VOLUME (%)	NIL
VAPOR DENSITY (AIR=1)	3.6	EVAPORATION RATE (_____ =1)	.01
SOLUBILITY IN WATER	complete		

APPEARANCE AND ODOR Water white liquid. Mild ammonical odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
210°F. T.C.C.			

EXTINGUISHING MEDIA
CO_2, Dry Powder, Foam

SPECIAL FIRE FIGHTING PROCEDURES
Air supplied respirator

UNUSUAL FIRE AND EXPLOSION HAZARDS
NONE

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 10 ppm (skin) - ACGIH (1975)

EFFECTS OF OVEREXPOSURE: Vapors are irritating and may cause asthma. Skin and eye contact cause burns. A sensitizer which causes skin rash.

EMERGENCY AND FIRST AID PROCEDURES

Skin: Wash immediately with soap and water.

Eyes: Flush with water for 15 minutes and call a physician.

SECTION VI - REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATIBILITY (*Materials to avoid*): Avoid contamination with acids.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO_2, Nitrogen Oxides.

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Small Spills: Flush with water.

WASTE DISPOSAL METHOD: Incinerate or approved landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (*Specify type*)

Air supplied mask in confined areas.

VENTILATION	LOCAL EXHAUST	SPECIAL
	preferable	
	MECHANICAL (*General*)	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Rubber	Chemical goggles.

OTHER PROTECTIVE EQUIPMENT

Apron, eye wash fountain.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not get in eyes, on skin or on clothing. Avoid breathing vapors.

Store in closed containers. Wash thoroughly after handling.

OTHER PRECAUTIONS

GPO 934-110

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