

MATERIAL SAFETY DATA SHEET

EDISON COATINGS, INC. 3 NORTHWEST DRIVE PLAINVILLE, CT 06062 (860)-747-2220	IN CASE OF EMERGENCY, CALL INFOTRAC at 1-800-535-5053	<u>HMIS RATINGS</u>	
		FIRE:	1
		HEALTH:	1
		REACTIVITY:	0
		PROTECTION:	C

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME:	Flexi-Gard 500-N Part A	D.O.T. CATEGORY:	Not regulated.
PRODUCT CLASS:	Bisphenol F/Novolac Epoxy	DATE OF PREPARATION:	9/20/02
PRODUCT TYPE:	Epoxy Resin	PREVIOUS REVISION:	1/1/89

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	CONCENTRATION	CAS#	OSHA TLV
BISPHENOL F Epoxy Resins	<100%	28064-14-4	None Established
Epichlorohydrin	< 5 ppm	106-89-8	PEL 5 ppm

SARA TITLE 3 SECTION 313:	Not Listed
SUSPECTED CARCINOGEN:	No specific data

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE:	Light-yellow Liquid	VAPOR PRESSURE:	(mm hg) < 1
SPECIFIC GRAVITY:	1.2 (H ₂ O = 1)	VAPOR DENSITY:	(air=1) N/A
DENSITY:	10 lbs/gallon	WATER SOLUBILITY:	Slight
BOILING POINT:	N/A	EVAPORATION RATE (N-BUTYL ACETATE = 1): Slower	
MELTING POINT:	<-10F		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	482°F (Closed Cup)
FLAMMABILITY CLASSIFICATION:	D.O.T. Non-Flammable
EXTINGUISHING MEDIA:	Dry chemical, Carbon Dioxide (CO ₂)
SPECIAL FIREFIGHTING PROCEDURES:	Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves, and rubber boots). Including a positive pressure NIOSH-approved, self-contained breathing apparatus. Cool fire-exposed containers with water. Closed containers may rupture due to pressure build-up under extreme heat.

SECTION 5 - HEALTH HAZARD DATA

<u>EFFECTS OF OVEREXPOSURE</u>	
ACUTE:	<p>Eye Contact: May be moderately irritating to the eyes.</p> <p>Skin Contact: Product may be moderately irritating to the skin; may cause sensitization. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.</p> <p>Inhalation: Not expected to be a relevant route of exposure due to low volatility. However, under conditions where exposure to mists or vapors is possible, may cause irritation to nose, throat, and respiratory tract, and may cause allergic reaction.</p> <p>Ingestion: Not expected to be a relevant route of exposure; product is slightly toxic.</p>
CHRONIC:	<p>NOTE: This product contains trace (2-3 ppm, typical) residual quantities of epichlorohydrin (ECH), CAS NO. 106-89-8. It is very unlikely that normal work practices with this product could result in measurable ECH concentrations in the workplace atmosphere. Nevertheless, you should be aware that ECH has been reported to produce cancer in laboratory animals and to produce mutagenic changes in bacteria and cultured human cells. It has been classified by IARC as a probable human cancer carcinogen (IARC Group 2A) based upon the following conclusions: Human evidence - inadequate; Animal evidence - sufficient. It has been classified as an anticipated human carcinogen by the National Toxicology Program (NTP).</p>

<u>EMERGENCY FIRST AID PROCEDURES:</u>	
EYES:	Flush eyes with plenty of water for 30 min. while holding eyelids open. Get medical attention.
SKIN:	Remove contaminated clothes/shoes and wipe excess from skin. Flush skin with water. Follow by washing with soap and water for 10 minutes. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.
INHALATION:	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.
INGESTION:	Get medical attention if significant quantities are swallowed. Induce vomiting as directed by medical personnel.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	Pre-existing eye, skin, and respiratory disorders.
PRIMARY ROUTE(S) OF ENTRY:	Eye, Skin, Inhalation.

SECTION 6 - REACTIVITY DATA

STABILITY:	Stable. Hazardous polymerization will not occur.
INCOMPATIBILITY:	Avoid heat, flame and contact with strong oxidizing agents. Can react vigorously with strong Lewis or Mineral Acids and strong mineral and organic bases; especially primary and secondary aliphatic amines. Reaction with some curing agents may produce considerable heat.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide, carbon dioxide, acrid smoke, phenolics, Aldehydes and Acids may be formed during combustion.

SECTION 7 - SPILL OR LEAKAGE PROCEDURES

