

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (ON LABEL) : PROFLEX Flexible Epoxy Resin - Part A  
 COMMON NAME : epoxy resin DATE PRINTED: 10/29/01

**Supplier:**

Pro Guard Coatings, Inc.  
 PO Box 289; One Industrial Way  
 Denver, PA 17517

DATE PREPARED : 10/29/01

EMERGENCY TELEPHONE: CHEMTREC  
 24 HOURS A DAY 1 (800) 424-9300  
 INFORMATION TELEPHONE: 1 (800) 735-4399

PREVIOUS MSDS REVISION DATE: 11/4/99

### SECTION 2 - COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Wt %	OSHA PEL	ACGIH TLV
diglycidyl ether bisphenol A epoxy resin	25085-99-8		N.E.	N.E.
aliphatic epoxide	68609-97-2		N.E.	N.E.
alkylated phenol	AN123581		N.E.	N.E.
2-methyl-2,4-pentanediol	107-41-5		25 ppm	25 ppm
alkyl phenol	84852153		N.E.	N.E.

T.S.C.A. Status - OK on all above components.

### SECTION 3 - PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	: viscous liquid	SPECIFIC GRAVITY (H <sub>2</sub> O=1.0)	: 1.1
PHYSICAL STATE	: liquid	DENSITY (LB/GAL)	: N/A
VAPOR PRESSURE	: N/A mm Hg.	MELTING POINT (°C)	: N/A
ODOR	: mild	EVAPORATION RATE	: N/A
VAPOR DENSITY	: N/A	(Butyl Acetate = 1)	
WATER SOLUBILITY	: none	V.O.C.	: 0.57 lb/gal

### SECTION 4 - STABILITY & REACTIVITY

STABILITY : Stable.

CONDITIONS TO AVOID : Excessive heating over long periods of time degrades the resin.

INCOMPATIBILITY : Uncontrolled reaction with amines.

HAZARDOUS DECOMPOSITION BYPRODUCTS: By fire: carbon dioxide, carbon monoxide, nitrogen oxide, aldehydes.

HAZARDOUS POLYMERIZATION : Will not occur.

CONDITIONS TO AVOID : Uncontrolled reaction with amines.

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### SECTION 5 - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (CLOSED CUP METHOD) : >200°F      LOWER EXPLOSIVE LIMIT : N/A  
 UPPER EXPLOSIVE LIMIT : N/A

EXTINGUISHING MEDIA : Foam, CO<sub>2</sub>, dry chemical, water spray

SPECIAL FIRE FIGHTING PROCEDURES : Wear full protective equipment including self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS : Combustion products may be toxic. Cool storage containers with water spray to prevent pressure buildup which could rupture containers.

### SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY:      INHALATION? yes      SKIN? yes      INGESTION? yes

SIGNS AND SYMPTOMS OF OVEREXPOSURE:      Irritation of skin.

HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE: Irritation of skin and dermatitis.  
 CHRONIC: Repeated overexposure will cause severe skin irritation, dermatitis and sensitization. Sensitized persons may experience rapid irritation of skin upon exposure.

CARCINOGENICITY:      NTP? No      IARC MONOGRAPHS? No      OSHA REGULATED? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE:  
 Allergy, skin disorders.

### SECTION 7 - FIRST AID PROCEDURES

EYES:      Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.

SKIN:      Promptly wash with soap and water. Do not wash with solvents. Seek medical advice if irritation develops or persists.

INHALATION:      Move person to fresh air if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician.

INGESTION:      Get medical attention immediately. Never give liquids to an unconscious or convulsing person.

### SECTION 8 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear protective clothing to prevent exposure. Stop spill and dike to prevent spreading. Cover spill with absorbent materials and collect into containers. Clean contaminated area with detergent and water or a steam cleaner for best results.

WASTE DISPOSAL METHOD:      Dispose in accordance with all Federal, State and Local requirements.

HANDLING AND STORAGE PRECAUTIONS: Keep containers tightly closed when not in use.

OTHER PRECAUTIONS:      None known.

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**SECTION 9 - EXPOSURE CONTROL & PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** Provide adequate exhaust ventilation and/or NIOSH approved amine cartridge respirator.

**VENTILATION:** LOCAL EXHAUST:if needed SPECIAL: none known

**MECHANICAL (GENERAL):** Adequate exhaust ventilation must exhaust away from the applicator.

**PROTECTIVE GLOVES:** natural rubber or neoprene gloves

**EYE PROTECTION:** splash goggles or face shield

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use rubber apron, face shield and appropriate clothing to prevent contact with skin. Launder contaminated clothing before reuse. Discard contaminated leather shoes and canvas sneakers. Protective skin creams help cleaning with soap and water, however, gloves must still be worn. An eye wash station or an adequate supply of clear water must be available at the work area.

**WORK/HYGIENIC PRACTICES:** Enforce careful handling to prevent splashing. Wash thoroughly after handling.

**SECTION 10 - OTHER INFORMATION**

HMIS RATINGS:	HEALTH	:2
	FLAMMABILITY	:1
	REACTIVITY	:0
	PERSONAL PROTECTION	:F

**KEY TO ABBREVIATIONS:**

N.E. = none established

**NOTICE**

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END OF MSDS