

The Chargbar Corp. 203-562-9948  
 299 Welton St.  
 Hamden, Ct. 06517  
 Hydroproxy Part A

Material Safety  
 Data Sheet  
 Date Prepared 3/12/2007

**SECTION I - IDENTIFICATION**

IDENTITY (As Used on Label)	EMULSIFIED EPOXY RESIN HARDENER		HAZARD RATING	
COMMON NAME	Emulsified Epoxy Resin Hardener	1. Health	2. Environment	3. Reactivity
SECTION II - PRODUCT COMPONENTS	CAS #	%	OSHA PEL	ACGIH TLV

Water	7732-18-5	30-50	N.E.*1	N.E.
Polyamide Resin	68410-23-1	15-35	N.E.	N.E.
Rutile Titanium Dioxide	13463-67-7	5-30	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Inorganic Iron Oxides	1309-37-1	4-30	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Chromium Oxide (Trivalent Chromium) *2	1308-38-9	4-30	0.5mg/m <sup>3</sup>	0.5mg/m <sup>3</sup>

\*NOTE 1 - N.E. = None Established.  
 (as Chromium)  
 \*NOTE 2 - this product contains only 1-3ppm (0.0001%-0.0003%) leachable hexavalent chromium. Trivalent chromium is not specifically listed as a possible carcinogen. It is regulated under 40CFR Part 312, SARA III, Section 313.

\* IN CASE OF A CHEMICAL SPILL, LEAK, FIRE, OR ACCIDENT \*  
 CALL CHEMTREC 24-HOUR CHEMICAL EMERGENCY TELEPHONE NUMBER  
 1-800-424-9300

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	more than 1
Vapor Pressure (mm Hg)	not known	Melting Point	N/A
Vapor Density (Air = 1)	not known	Evaporation Rate (Butyl Acetate = 1)	not known
Solubility in Water	Soluble		
Appearance and Odor	Colored viscous liquid. Mild odor.		

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Closed Cup Method)	Not Flammable	LEL N/A	UEL 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 build-up that may rupture the containers.

**SECTION V - REACTIVITY DATA**

Stability	Unstable	Conditions to Avoid	
	Stable	None known.	
Incompatibility (Materials to Avoid)	None known.		
Hazardous Decomposition or Byproducts	By fire - Carbon monoxide, Carbon dioxide, Nitrogen oxides.		
Hazardous Polymerization	May Occur	Conditions to Avoid	
	Will Not Occur	None known.	

**NOTE:** Persons with lung disorders or who are sensitized should not use this product.

**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation? <input type="checkbox"/> Skin? <input type="checkbox"/> Eye/Irritation? <input type="checkbox"/>
Signs and Symptoms of Exposure	Irritation of skin.
Health Hazards (Acute and Chronic)	ACUTE - Irritation of skin. CHRONIC - repeated overexposure may cause severe skin irritation, dermatitis and sensitization.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No
Medical Conditions Generally Aggravated by Exposure	Allergy, skin disorders.
Emergency and 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 area 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 VII - CONTROL MEASURES**

Respiratory Protection (Specify type)	Provide adequate exhaust ventilation and/or NIOSH approved amine cartridge respirator.
Ventilation	Local Exhaust: If needed. Mechanical (General): Adequate exhaust ventilation must exhaust away from 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, gloves must still be worn. An eye wash station or an adequate supply of clean water must be available at work area.
Work/hygiene Practices	Enforce careful handling to prevent splashing. Wash thoroughly after use.

**SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be Taken in Case Material is Released or Spilled: Wear protective equipment 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 Federal, State and Local Requirements.  
 Precautions to be Taken in Handling and Storage: Keep containers tightly closed when not in use.  
 Other Precautions: None known.

The Charggar Corp.  
299 Welton St.  
Hamden, Ct. 06517

203-562-9948

Hydroproxy Part B

Material Safety  
Data Sheet  
Date Prepared 3/12/2007

SECTION I - IDENTIFICATION

IDENTITY (As Used on Label)	Hydroproxy Part B		HAZARD RATING	☒ Health	☐ Environment	☐ Reactivity	☐ Physical Properties
COMMON NAME	Emulsified Epoxy Resin		1	1	0	0	0

SECTION II - PRODUCT COMPONENTS	CAS #	%	OSHA PEL	ACGIH TLV
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Diglycidyl Ether Bisphenol A Epoxy Resin	25085-99-8	25 - 45	N.E.*1	N.E.
Carbodi Water	7732-18-5	20 - 40	N.E.	N.E.
Calcium Carbonate	1317-65-3	20 - 35	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Propylene Glycol, USP	57-55-6	2 - 4	N.E.	N.E.
Ethoxylated Castor Oil	61791-12-6	0 - 1	N.E.	N.E.

\*NOTE 1 - N.E. = None Established.

T.S.C.A. Status - O.K. on all above components.

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1-800-424-9300

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	more than 1
Vapor Pressure (mm Hg)	not known	Melting Point	N/A
Vapor Density (AIR = 1)	not known	Evaporation Rate (Butyl Acetate = 1)	not known

Solubility in Water: Soluble  
Appearance and Odor: Milky viscous liquid. Mild odor.

SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	Not Flammable	Flammable Limits	LEL N/A	UEL N/A
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Extinguishing Media: Foam, CO<sub>2</sub>, dry chemical, water spray.  
Special Fire Fighting Procedures: Wear full protective equipment including self-contained breathing apparatus.

Inusual, Fire and Explosion Hazards: Combustion products may be toxic. Cool storage containers with water spray to prevent pressure build-up that may rupture the containers.

SECTION V - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	
	Stable	X	Excess heating over long periods may degrade the resin.

Incompatibility (Materials to Avoid): None known.  
Hazardous Decomposition or Byproducts: By fire-carbon monoxide and dioxide, Nitrogen oxide, Aldehydes.

Hazardous Polymerization	May Occur	Conditions to Avoid	
	Will Not Occur	X	None known.

**NOTE:** Persons with lung disorders or who are sensitized should not use this product.

SECTION VI - HEALTH HAZARD DATA

Routes of Entry:	Inhalation?	Skin? Yes/No?
Signs and Symptoms of Exposure	Irritation of skin.	
Health Hazards (Acute and Chronic)	ACUTE - Irritation of skin.	
CHRONIC	- repeated overexposure may cause severe skin irritation, dermatitis and sensitization.	

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No  
Medical Conditions Generally Aggravated by Exposure: Allergy, skin disorders.  
Emergency and 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 area 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 VII - CONTROL MEASURES

Respiratory Protection (Specify Type): 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 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, gloves must still be worn. An eye wash station or an adequate supply of clean water must be available at work area.

Work/Hygiene Practices: Enforce careful handling to prevent splashing. Wash thoroughly after use.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Wear protective equipment 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 Federal, State and local requirements.

Precautions to be Taken in Handling and Storage: Keep containers tightly closed when not in use.

Other Precautions: None known.