



Material Safety Data Sheet

95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838

Date Prepared 9/1/2008

SECTION I - IDENTIFICATION

IDENTITY (As Used on Label) **Dur-A-Poxy #245 Hardener**

COMMON NAME Emulsified Epoxy Resin Hardener

HAZARD RATING	Health	2
0 = Least	Flammability	1
1 = Slight	Reactivity	0
2 = Moderate	Personal Protection	G
3 = High		
4 = Extreme		

SECTION II - PRODUCT COMPONENTS

	CAS.#	OSHA PEL	ACGIH TLV
Water	7732-68-4	N.E. ¹	N.E.
Polyamide Resin	68410-23-1	N.E.	N.E.
Rutile Titanium Dioxide	13463-67-1	15mg/m ³	10mg/m ³

¹None Established

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

FOR SPILL, LEAK, FIRE, OR ACCIDENT, CALL CHEMTREC 24-HOUR EMERGENCY NUMBER 1-800-424-9300

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	212F	Specific Gravity (H2O = 1)	>1
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	not known
Volatile Organic Compounds (VOC) = 9 grams/liter			
Solubility in Water	Soluble		
Appearance and Odor	White viscous liquid. Mild odor.		

SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	N/A	Flammable Limits	LEL	UEL
			N/A	N/A

Extinguishing Media Foam, CO₂, dry chemical, water spray.

Special Firefighting 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	X	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	X	None known.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	YES	YES	YES

Signs and Symptoms of Exposure 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?	IARC Monographs?	OSHA Regulated?
	NO	NO	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 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.

****NOTE** PERSONS WITH LUNG DISORDERS OR WHO ARE SENSITIZED SHOULD NOT USE THIS PRODUCT.**

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

Provide adequate exhaust ventilation; use a NIOSH-approved respirator if PELs/TLVs are exceeded.

Ventilation	Local Exhaust	If needed.	Special	None Known.
	Mechanical	Adequate exhaust ventilation must exhaust AWAY from applicator.		

Protective Gloves Natural of 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/Hygienic 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 steam cleaner for best results.

Waste Disposal Method

Dispose in accordance with Federal, State and Local requirements.

Precautions to be Taken in Handling and Storing

Keep containers tightly closed when not in use.

Other Precautions NONE KNOWN.

Prepared by Samet Dy - Chemist

PLEASE NOTE *The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use.*



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SECTION II - PRODUCT COMPONENTS

	CAS.#	OSHA PEL	ACGIH TLV
Diglycidyl Ether Bisphenol A Epoxy Resin	25085-99-8	N.E. ¹	N.E.
Water	7732-18-5	N.E.	N.E.
Calcium Carbonate	1317-65-3	15mg/m3	10mg/m3
Propylene Glycol, USP	57-55-6	N.E.	N.E.
Ethoxylated Castor Oil	61791-12-6	N.E.	N.E.

None Established

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Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	not known
Volatile Organic Compounds = Zero grams/liter			
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	UEL
			N/A	N/A

Extinguishing Media Foam, CO2, dry chemical, water spray.

Special Firefighting Procedures

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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	X Excessive 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.

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Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
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NOTE