



# Material Safety Data Sheet

95 Goodwin Street, East Hartford, CT., 06108 (860) 528-9838 Date Prepared 8/11/2014

## SECTION I - IDENTIFICATION

**IDENTITY (As Used on Label)** DUR-A-GLAZE RAPID-PATCH RESIN

**COMMON NAME** Modified Epoxy Resin

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

## SECTION II - PRODUCT COMPONENTS

	CAS.#	OSHA PEL	ACGIH TLV
Diglycidyl Ether Bisphenol A Epoxy Resin	25068-38-6	N.E. <sup>1</sup>	N.E.
Modified Liquid Epoxy Filler	Proprietary <sup>2</sup>	N.E.	N.E.
Calcium Carbonate	1317-65-3	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Amorphous Fumed Silica	7631-86-9	10mg/m <sup>3</sup>	10mg/m <sup>3</sup>

<sup>1</sup>Not Established

<sup>2</sup>The manufacturer of the component states that they will provide additional information to a health professional in the event of a medical emergency.

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	N/A	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)	N/A
Solubility in Water	None		
Appearance and Odor	Viscous liquid. Mild characteristic odor.		

## SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	485°F	Flammable Limits	LEL	UEL
			N/A	N/A

Extinguishing Media Foam, CO<sub>2</sub>, Dry Chemical, Water Spray.

Special Firefighting Procedures

Firefighters should wear full emergency equipment with self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

Cool fire - exposed containers with cold water spray to prevent pressure build - up that may rupture the container. Combustion products may be toxic.

## SECTION V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Excess heating over long periods of time degrades the resin.
Incompatibility (Materials to Avoid)	Uncontrolled reaction with amines.		
Hazardous Decomposition or Byproducts	Fire- Carbon Monoxide, Carbon Dioxide, Nitrogen Oxide, Aldehydes.		
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	Uncontrolled reaction with amines.

## SECTION VI - HEALTH HAZARD DATA

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

Signs and Symptoms of Exposure      Irritation on skin.

### Health Hazards (Acute and Chronic)

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

ACUTE - Irritation on 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.

## SECTION VII - CONTROL MEASURES

### Respiratory Protection (Specify Type)

The use of a NIOSH approved respirator not required, PELs/TLVs not established. The PELs/TLVs reported will not be exceeded under normal conditions.

Ventilation	Local Exhaust	If needed.	Special	None known.
	Mechanical	Adequate exhaust ventilation must exhaust AWAY from applicators and ner by people.		

Protective Gloves	Natural or Neoprene gloves.	Eye Protection	Splash goggles or face shield.
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### Other Protective Clothing or Equipment

Use rubber apron, protective skin cream, and/or appropriate Personal Protection Equipments (PPE) to prevent contact with skin.

Launder contaminated clothing thoroughly before reuse.

Gloves and eye protection must be worn at all times.

An eye wash station or an adequate supply of clean water must be available at work area and easily accessible.

Wash hands then face thoroughly with soap and water before leaving work area.

Work/Hygienic Practices      Enforce careful handling to prevent splashing and spilling.

## SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

### Steps to be Taken in Case Material is Released or Spilled

Wear appropriate Personal Protection Equipments (PPE) to prevent exposure. Stop spill and flooding with dike to prevent spreading.

Cover spill with absorbent materials and collect into containers marked contaminated. Clean contaminated area with detergent and water or steam cleaner for best results. Discard any severely contaminated clothing, leather shoes and/or canvas sneakers.

### 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      Murty Bhamidipati

### 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."



**DUR-A-FLEX**  
INNOVATION FROM THE FLOOR UP

# Material Safety Data Sheet

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

Date Prepared 08/11/2014

<b>SECTION I - IDENTIFICATION</b>	HAZARD RATING		Health	3
	0 = Least		Flammability	1
	1 = Slight		Reactivity	0
	2 = Moderate			
	3 = High		Personal Protection	G
4 = Extreme				
IDENTITY (As Used on Label) <b>DUR-A-GLAZE RAPID-PATCH HARDENER</b>				
COMMON NAME Cycloaliphatic Diamine Epoxy Hardener				

SECTION II - PRODUCT COMPONENTS	CAS.#	OSHA PEL	ACGIH TLV
Benzyl Alcohol	100-51-6	N.E. <sup>1</sup>	N.E.
3, Aminomethyl -3,5,5-Trimethyl	2855-13-2	N.E.	N.E.
Benzyl dimethylamine	103-83-3	N.E.	N.E.
N, Aminoethyl Piperazine	140-31-8	N.E.	N.E.
Paratertiarybutylphenol	98-84-4	N.E.	N.E.
Nonyl Phenol	25154-52-3	N.E.	N.E.

<sup>1</sup>None Established

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

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### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	485°F	Specific Gravity (H2O = 1)	1.02
Vapor Pressure (mm Hg)	0.02	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	Partially soluble.		
Appearance and Odor	Pale yellow colored liquid. Amine odor.		

### SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	220°F	Flammable Limits	LEL	UEL
			N/A	N/A
Extinguishing Media	Dry Chemicals, Carbon Dioxide, Alcohol-Resistant Foam, Dry Chemical, Limestone Powder.			
Special Firefighting Procedures	Firefighters should wear full emergency equipment with self-contained breathing apparatus. Irritating gases may be generated by fire.			
Unusual Fire and Explosion Hazards	Cool exposed containers with cold water spray to prevent pressure buildup that may rupture the containers.			

### SECTION V - REACTIVITY DATA

Stability	Unstable		Conditions to Avoid
	Stable	X	Keep container closed when not in use.
Incompatibility (Materials to Avoid)	Strong oxidizers and acids.		
Hazardous Decomposition or Byproducts	By Fire- carbon monoxide, carbon dioxide, aldehydes, nitrogen.		
Hazardous Polymerization	May Occur		Conditions to Avoid Uncontrolled reaction with epoxy resins. Avoid breathing fumes generated by hardener and epoxy mixture when not used within established pot life.
	Will Not Occur	X	

## SECTION VI - HEALTH HAZARD DATA

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

Signs and Symptoms of Exposure      Irritation on skin.

### Health Hazards (Acute and Chronic)

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

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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.

## SECTION VII - CONTROL MEASURES

### Respiratory Protection (Specify Type)

Provide adequate exhaust ventilation with explosion proof fan; The use of a NIOSH - approved respirator not required, PELs/TLVS not declared under normal operation.

Ventilation	Local Exhaust	If needed.	Special	None known.
	Mechanical	Adequate exhaust ventilation must exhaust AWAY from applicators and near by people.		

Protective Gloves	Natural or Neoprene gloves.	Eye Protection	Splash goggles or face shield.
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### Other Protective Clothing or Equipment

Use rubber apron, protective skin cream, and/or appropriate Personal Protection Equipments (PPE) to prevent contact with skin.

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Cover spill with absorbent materials and collect into containers marked contaminated. Clean contaminated area with detergent and water or steam cleaner for best results. Discard any severely contaminated clothing, leather shoes and/or canvas sneakers.

### 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.

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