

DUR-A-FLEX[®] Inc.

Material Safety Data Sheet

Date Prepared: 9/1/95

95 Gnodwin Street, East Hartford, CT, 06108 (203) 528-9838

SECTION I - IDENTIFICATION		Hazard Rating		Health	
IDENTITY (As Used on Label)	DUR-A-FLEX #4, PART "A" - RESIN, AR	1 - Skin	1 - Irritation	1 - Irritation	1 - Irritation
COMMON NAME	Cycloaliphatic Diamine Epoxy Hardener	2 - Serious	2 - Irritation	2 - Irritation	2 - Irritation
OSHA PEL		3 - High	3 - Irritation	3 - Irritation	3 - Irritation

SECTION II - PRODUCT COMPONENTS		CAS #	%	OSHA PEL	ACGIH TLV
Diphenyl Alcohol		100-51-5	33-40	N.E.	N.E.
Cycloaliphatic Diamine		285-41-2	33-55	N.E.	N.E.
2,4-Toluene Diisocyanate		15520-10-2	5-10	N.E.	N.E.
2,6-Toluene Diisocyanate		140-11-8	4-8	N.E.	N.E.
4,4'-Methylenedianiline		25085-99-88	5-10	N.E.	N.E.
Epichlorohydrin		69-73-1	5-10	N.E.	N.E.

*NOTE: I, N, E = None Established
T, S, C, A, Status = O.K. on all above components.

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS			
Boiling Point	485°F	Specific Gravity (H ₂ O = 1)	<1
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: N/A UEL: N/A
Extinguishing Media	Dry chemicals, carbon dioxide, foam, water spray.		
Special Firefighting Procedures			

Firefighters should wear full emergency equipment with self-contained breathing apparatus. Irritating and/or gases may be generated by fire.
Usual: Fire and Explosion Hazards
Cool fire - exposed containers with cold water spray to prevent pressure build-up that may rupture the container.

SECTION V - REACTIVITY DATA	
Stability	Stable
Reactivity (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.

SECTION VI - HEALTH HAZARD DATA	
Routes of Entry	Inhalation? YES Skin? YES Ingestion? YES
Signs and Symptoms of Exposure	Irritation on skin. Note: Persons with lung disorders or who are sensitized should not use this product.
Health Hazards (acute and chronic)	ACUTE - Irritation on skin and dermatitis.
Chronic	Repealed or exposure will cause severe skin irritation, dermatitis, and sensitization. Sensitized persons may experience rapid irritation of skin upon exposure.
Teratogenicity	NO
Medical Conditions	Generally Aggravated by Exposure: Allergic skin disorders.
Emergency and First Aid Procedures	F: YES - 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.
INITIAL ACTION	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 carriage respirator.		
Ventilation	Local Exhaust: If needed.	Specific: None known.	
Personal Protective Equipment	Adequate exhaust ventilation must exhaust AWAY from applicator.	Eye Protection: Splash goggles or face shield.	
Other Protective Clothing or Equipment	Natural or Neoprene gloves.		

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 be 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.
Spills to be Treated as Class Material or 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.
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 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 CONTRIBUTING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should verify product that he has all current data relevant to his particular use.