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SECTION I - IDENTIFICATION		Product Name		Health	
IDENTITY (As Used on Label)	DUR-A-FLEX #4, PART "A" - RESIN, AR	1 - Skin	2 - Eyes	3 - Inhalation	4 - Ingestion
COMMON NAME	Cycloaliphatic Diamine Epoxy Hardener	1 - Irritation	1 - Irritation	1 - Irritation	1 - 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.
2,2,4,4-Tetrahydro-3H-benzophenone		25085-90-88	5-10	N.E.	N.E.
2,2,4,4-Tetrahydro-3H-benzophenone		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		Conditions to Avoid	
Stability	Reactivity	1 - Normal Conditions	2 - Increased Conditions
Stable	X	Keep container closed when not in use.	
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			
Route of Entry	Inhalation?	Skin?	Ingestion?
YES	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 or excessive use will cause severe skin irritation, dermatitis, and sensitization.
Sensitized persons may experience rapid irritation of skin upon exposure.

Medical Conditions: Allergic skin disorders.
Generally Aggravated by Exposure: None.
Emergency and First Aid Procedures:
EYES: Flush with water. Holding lids open for 15 minutes or more. Call physician for advice. If necessary, use eye irrigation solution.
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)	None required.		
Eye Protection	Wear eye protection.		
Hand Protection	Wear gloves.		
Body Protection	Wear protective clothing.		
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 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.
Storage: Store in a cool, dry place. Keep containers tightly closed when not in use.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE
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.
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