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SECTION 1 - IDENTIFICATION		HAZARD RATING 0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Moderate	Health	1
IDENTITY (As Used on Label)	Basic Aliphatic Urethane Glaze Hardener		Flammability	1
COMMON NAME	Aliphatic Polyisocyanate Resin Solution		Reactivity	0
			Personal Protection	G
SECTION II – PRODUCT COMPONENTS		CAS.#	OSHA PEL	ACGIH TLV
Homopolymer of HDI		28182-81-2	NE ¹	NE
Hexamethylene Diisocyanate (HDI) ²		822-06-0	NE	0.005ppm
¹ Not Established				
² Residual monomer content is less than 0.5% based on resin solid				
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 (H ₂ O = 1)	1.12	
Vapor Pressure (mm Hg)	4.7 x 10 ⁻⁷	Melting Point	N/A	
Vapor Density (Air = 1)	>1	Evaporation rate (Butyl Acetate = 1)	N/A	
Solubility in Water	Not Soluble			
Appearance and Odor	Clear/pale yellowish Liquid, Negligible-Nearly Odorless.			
SECTION IV – FIRE AND EXPLOSION HAZARD DATA				
Flash Point	460F	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media	Dry Chemicals, CO ₂ , Universal Type Foam, Water Fog			
Special Firefighting Procedures	Wear full protective equipment including self-contained breathing apparatus. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with H ₂ O used for cooling purposes.			
Unusual Fire and Explosion Hazards	None reported for this product.			
SECTION V – REACTIVITY DATA				
Stability	Unstable		Conditions to Avoid	
	Stable	X	Keep containers closed when not in use.	
Incompatibility (Materials to Avoid)	Avoid oxidizers and phosphorous – containing materials.			
Hazardous Decomposition or Byproducts.	Fire may yield carbon monoxide and/or carbon dioxide.			
Hazardous Polymerization	May Occur		Conditions to Avoid	
	Will Not Occur	X	Contact with moisture or other materials which react with isocyanates or temperatures above 400F	

SECTION VI – HEALTH HAZARD DATA			
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes
Signs and Symptoms of Exposure	Irritation and redness of skin and eyes. Breathing difficulty		
Health Hazards (Acute and Chronic)			
ACUTE – Prolonged skin exposure can cause irritation, dermatitis. Inhalation of vapors can cause nasal and respiratory irritation, dizziness, headache, nausea.			
CHRONIC – Prolonged or repeated exposure to vapors may cause lung damage as well as increased sensitivity.			
Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO
Medical Conditions Generally Aggravated by Exposure			
Asthma and other respiratory disorders (bronchitis, emphysema, hyperreactivity), skin allergies, eczema.			
Emergency and First Aid Procedures			
EYES – Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.			
SKIN – remove contaminate clothing. Clean affected area with mild soap and water. If irritation or redness develops, seek medical attention.			
INHALATION – move person away from source of exposure and into fresh air. If person is not breathing, give artificial respiration and seek medical attention immediately. If breathing difficulty develops, give oxygen and seek medical attention immediately.			
NOTE persons with lung disorders or who are sensitized should not use this product.			
SECTION VII – CONTROL MEASURES			
Respiratory Protection (Specify Type): Use NIOSH approved respirator as outlined in 30CFR11 and 29CFR 1910.134 effective for solvent and diisocyanate vapors. Use SCBA or air-supplied respirators when TLV/PEL is exceeded.			
Ventilation	Local Exhaust	Use in confined areas.	Special Explosion proof fans when needed.
	Mechanical	Must be sufficient to maintain area below established TLV/PEL.	
Protective Gloves	Natural or Neoprene gloves.		Eye Protection Splash proof goggles.
Other Protective Clothing or Equipment			
Use other protective equipment such as rubber aprons and a face shield if danger of splashing is possible. Eye wash station or clear water must be readily available. Enforce good hygiene practices. No smoking or open lights in work area. Exposure to liquid, vapors, mists or fumes must be minimized. Use air supplied respirators in enclosed areas and when PEL/TLV is higher than established level.			
Work/Hygienic Practices Enforce careful handling to prevent splashing. Wash thoroughly after use.			
SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE			
Steps to be Taken in Case Material is Released or Spilled			
Shut off and eliminate all ignition sources. Keep people away. Add sand, earth or other absorbent to spill area. Ventilate confined spaces. Open windows and doors, minimize breathing vapors and skin contact. Keep spill out of sewers by diking. Observe precautions for volatile, flammable vapors from absorbed material.			
Waste Disposal Method			
Incineration in accordance with local, state, and federal regulations.			
Precautions to be Taken in Handling and Storing			
Keep containers tightly closed when not in use and away from excessive heat and flame. Do not pressurize, cut, weld, solder, drill or grind the containers.			
Other Precautions Store in an OSHA approved area for flammable materials.			
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, Basic Polymers 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 to his particular use.”		