

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard (HCS), 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

		HMIS	NFPA	NFPA RATING
HEALTH	2	SEVERE	4 EXTREME	FIRE 1
FLAMMABILITY	1	SERIOUS	3 HIGH	REACTIVITY 0
REACTIVITY	0	MODERATE	2 MODERATE	TOXICITY 2
		SLIGHT	1 SLIGHT	SPECIAL
		MINIMAL	0 INSIGNIFICAN	

NE = Not Established; NA = Not Applicable Evaluation for OSHA HCS Hazardous Non-Hazardous

I. GENERAL INFORMATION

Product Name POLYCOAT (Part B)	Emergency Telephone Number 1-800-535-5053
Chemical Family Aliphatic Polyisocyanate	Telephone Number for Information 770-479-1764
Manufacturer <i>EZCHEM, Inc.</i> 141 RAILROAD St., SUITE 117 CANTON, GA 30114	Date Prepared 3-23-09
	Signature of Preparer Robert Levetan
	Date Last Revised

II. HAZARDOUS INGREDIENTS

Principal Hazardous Components	Threshold Limit Value (Units)
Light aromatic solvent (46742-95-6)	100 ppm
Hexamethylene diisocyanate homopolymer (28182-81-2)	NE

III. PHYSICAL DATA

Boiling Point (°F)	300 ° F	Specific Gravity (H₂O=1)	~1.01
Vapor Pressure (mm Hg)	NE	Percent Volatile By Volume	NA
Vapor Density (Air=1)	>1	Evaporation Rate (H₂O=1)	NA
Solubility in Water	Insoluble	pH	NA

Appearance & Odor: Clear liquid with solvent odor

IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method): 105 ° F

Flammable Limits: **LEL 1.00** **UEL 7.00**

Extinguishing Media: Dry chemical, Foam or CO₂

Special Fire Fighting Procedures: Wear self contained breathing apparatus and full protective gear. Cool fire exposed containers with water spray.

Unusual Fire & Explosion Hazards: Overheated containers may rupture and emit toxic and flammable solvent fumes. Reaction between water and Diisocyanate can be very vigorous. Keep a safe distance from drum sprayed with water.

V. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit NE	ACGIH Threshold Limit Value NE
Carcinogen - NTP Program NO	Carcinogen - IARC Program NO

Symptoms of Over Exposure: EYES: Severe irritation or injury.. SKIN: Drying, swelling and harmful irritation. Potential sensitizer. INGESTION: Nausea, possible CNS depression, diarrhea. INHALATION: May cause severe respiratory irritation or asthma like symptoms, dizziness. Can produce asthmatic sensitization from one heavy exposure or repeated light exposures.

Medical Conditions Aggravated by Exposure: Breathing problems.

Primary Route(s) of Entry: Skin, Inhalation

Emergency First Aid: EYES: Flush thoroughly with water for 15 minutes, lifting both eyelids. GET MEDICAL HELP. INHALATION: Remove to fresh air immediately. If breathing difficulty persists, GET MEDICAL HELP. INGESTION: Do not induce vomiting. Do not give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL HELP. SKIN: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation develops, GET MEDICAL HELP.

VI. REACTIVITY DATA

Stability <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	Conditions to Avoid: Temperature above 120 F.
Incompatibility	Materials to Avoid: Water, amines, caustics, alcohols and copper alloys.
Hazardous Polymerization <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Conditions to Avoid: NA
Hazardous Decomposition Products: CO, NOx, organic vapors and hydrogen cyanide, Isocyanate acid, organic vapors.	

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear protective clothing. Contain the spill and soak up product on absorbent material.

Waste Disposal Method: Place in a sealable container and dispose of according to local and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Eye Protection: Safety Goggles	Skin Protection: Solvent resistant gloves
Respiratory Protection (Specific Type): In enclosed areas use NIOSH approved cartridge respirator with solvent cartridge.	Ventilation Recommended: <input type="checkbox"/> General Mechanical <input checked="" type="checkbox"/> Local Exhaust
Other Protection:	
Hygienic Practices in Handling & Storage: Wash hands after using. Do not contaminate food or feed stuff.	
Precautions for Repair & Maintenance of Contaminated Equipment: Flush thoroughly before handling.	
Other Precautions: Read all label directions and precautions before using.	

IX TRANSPORT INFORMATION

Identification Number	NA – Not regulated at less than 33,333 lb quantities.
Proper shipping name	NA
Class/Division	NA
Packaging Group	NA