MATERIAL SAFETY DATA SHEET



MADISON CHEMICAL INDUSTRIES INC.

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EMERGENCY/SERVICE

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SECTION I -- PRODUCT INFORMATION

Product Name:AcrylaThane 5200Component :AProduct Code:02-Q500 to Q799Product Description:1:4, Aliphatic, Acrylic, High Solids, SpraySupplier:Madison Chemical Industries Inc., 490 McGeachie Drive, Milton, Ontario, Canada L9T 3Y5Phone: (905)878-8863Product Use:Corrosion Coating

SECTION II -- HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS No.	%	Exposure Level	LD ₅₀ (oral- rat)	LD ₅₀ (derm- rabbit)	LC ₅₀ , Route, Species
Homopolymer of HDI Hexamethylene Diisocyanate Methly Amyl Ketone	28182-81-2 822-06-0 110-43-0	60-100 0.1-1.0 7-13	0.5 mg/m ³ 0.005 ppm (TWA) 50 ppm (TWA)	> 5000 mg/kg 710 mg/kg 730 mg/kg	> 5000 mg/kg 570 mg/kg 10300mg/kg (skin)	390-453 mg/ m ³ 4hr rat 310-350 mg/m ³ 1-4h (rat) 4000 ppm (inhalation
Xylene n-Butyl Acetate Ethylenzene	1330-20-7 123-86-4 100-41-4	3-7 3-7 0.5-1.5	100 ppm / 435 mg/ m ³ 150ppm/ 710 mg/ m ³ 100 ppm	4300 mg/kg 14000mg/kg 3500 mg/kg	Not available Not available Not available	5000ppm 4h inhalation rat 2000ppm 4h inhalation rat 4000 ppm 4h inhalation

SECTION III -- PHYSICAL DATA

Physical State: Odour Threshold:	Liquid Xylene 0.3 ppm, Butyl Acetate 7-20 ppm	Odour and Appearance: Specific Gravity:	Clear/pale liquid, very low odour 1.00-1.10 @ 25°C
	MAK 0.18-0.2 ppm		
Vapour Pressure:	7.5E-5 mmHg @ 25°C	Vapour Density:	Not available
Evaporation Rate:	Not available	Boiling Point:	Not available
Freezing Point:	Not available	pH:	Not available
Coeff. Oil/Water Distribution:	Not available		

SECTION IV -- FIRE OR EXPLOSION HAZARD

Flammable Conditions:

 Avoid Sparks and open flames

 Provide positive ventilation

 In case of fire - Use Self-Contained Breathing Apparatus

 Decomposition and Combustion products may be toxic

 Flash Point (°C):
 > 40°C (104 °F)(SetaFlash Closed Cup)

 Sensitivity
 - Impact:
 None

 - Static:
 Sensitive. Airless spray equipment should be grounded

Extinguishing Media: Carbon dioxide, dry chemical, foam, halogenated agents. If water is used, use very large quantities. The reaction between the hot product and water may be vigorous.

Flammability Limits: LEL - Not applicable UEL - Not applicable **Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, HDI, HCN, Hydrocarbons

Autoignition Temperature: Not available

SECTION V -- REACTIVITY DATA

Chemical Stability:	Stable, Polymerization may occur with water or	Incompatible Materials:	Water, Amines, Strong bases, Alcohols, Acids,
	high temperatures		Strong Oxidizing Agents.
Reactive Conditions:	Elevated temperatures, Incompatibles	Hazardous Decomposition	Not Available
		Products:	

SECTION VI -- TOXICOLOGICAL PROPERTIES

Effects of over-exposure: Inhalation: inhalation of vapor or aerosol at levels above occupational exposure limit could cause respiratory sensitization and lung injury. Symptoms may include irritation to the nose, throat, lungs and eyes possibly combined with dryness of the throat, tightness of chest and difficulty in breathing and/or flu-like symptoms. **Skin Contact**: moderate irritant. Repeated and/or prolonged contact may cause skin sensitization. **Eye Contact**: the aerosol, vapor or liquid will irritate human eyes following contact. **Ingestion:** may cause irritation of the gastrointestinal tract. **Chronic Effects**: There are reports that excessive chronic exposure to diisocyanates may result in a permanent decrease in lung function.

Exposure Limits:	HDI: 0.005 ppm (ACGIH), 0.034 mg/m ³ (7 ppm (Ceiling), also see section II	ГWA), 0.02	Sensitization:	Possible through repeated over- exposure.		
Carcinogenicity:	None known		Reproductive Toxi	1		
Teratogenicity:	Contains xylene which has caused health ef		Mutagenicity:	None known		
Terutogementy	developing embryo/fetus in animal studies;		in a construction of the second s			
	in humans					
Synergistic Products:	None known					
SECTION VII	PREVENTATIVE MEASURES					
Respiratory:	With this product, there is a low likelihood that, when used in a well ventilated work area, the concentration of hazardous					
	substances will exceed applicable threshold. In such cases, a NIOSH-approved half mask (nose and mouth) cartridge respirator					
		· •	· · ·	table. In poorly ventilated areas, or where a		
	sudden release of product may occur (e.g.	significant spillage),	use an approved NI	OSH-MSHA positive pressure, air supply		
	respirator equipped with a full face piece, or an air-supplied hood. In all cases, follow respirator manufacturer's directions for					
	use and establish a system of periodic maintenance (ref. OSHA guideline).					
Ventilation:	In confined areas, positive (forced air) ventilation is recommended. In other indoor applications, passive ventilation (opening					
	of doors and windows) is recommended.					
Protective Clothing:	Dress as when working with oil-based paint. Clothing should cover all exposed areas of the body. The use of solvent resistant					
	gloves and eye goggles (or full face shield)					
Handling and Storage:	Keep material away from extreme heat, sparks and open flames. Store in tightly closed containers and protect from moisture					
	and foreign materials. Do not reseal contaminated containers. Ideal storage temperature 10 - 27°C (50 - 80°F). If containers ar					
	bulging, exercise caution when opening.					
Spill Procedure:	Remove sources of ignition such as heat, sparks and flames. Dyke area to contain spill. Recover free liquid with explosion-					
	proof pumps. Cover the spill with an absorbent material such as sand or seeping compound. Put material into closable					
	containers. Flush contaminated areas with	decontamination so	olution (0.5% liquid o	letergent, 3-8% concentrated ammonium		
	hydroxide in water).					
Waste Disposal:	Dispose in accordance with Federal, Provincial and local regulations					
Shipping Information:	Coating Solution					
	UN 1139, Class 3, III					
WHMIS Classification:	B3, D2A HN	IIS Information:	Health:	3		
			Flammability:	2		
			Reactivity:	1		

SECTION VIII -- FIRST AID

 Skin:
 Wash thoroughly with soap and water. Remove contaminated clothing.

 Eyes:
 Immediately flush with water for at least 15 minutes.

 Ingestion:
 Do not induce vomiting. Guard against aspiration into the lungs by keeping victim's head below his/her hips if vomiting does occur. If conscious, give 1 or 2 glasses of water to dilute product.

 Inhalation:
 If nauseous or lightheaded, remove to fresh air, give oxygen if breathing is difficult. If breathing stopped, begin artificial respiration.

 In all cases get medical attention.

SECTION IX -- PREPARATION OF MSDS

Date Prepared:July 23, 2009Prepared by:Research and Development Department
Madison Chemical Industries Inc.

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