



Material Safety Data Sheet

Protective Clothing		HCS	DOT	
		Class: Irritating Substance		

Section I. Product Identification and Uses				
Synonyms	Not available	HMIS	H 2	F 0 R 0 PE B
Common/Trade Name	Ma-Bond PE	TSCA	TSCA inventory: All components listed	
Chemical Name	Not applicable		TSCA 12(b) one time export: Not Listed	
Chemical formula	Aqueous based cross-linker	DSL	TSCA 12(b) annual export notification: Not Listed	
Chemical family	Not available		CEPA DSL: All components listed	
Manufactured / Supplied	Maple Solutions 3019 Lake Road D.D.O. QC, H9B 2R3, Canada	CAS#	Mixture	
Material uses	Textile application	Code		
Validation Date	Validated on 30 Apr 2004	Molecular Weight	Not applicable	
		Revision Number	1.0	

Section IA. First Aid Measures	
Eye contact	Immediately flush eyes with running water for at least 15 minutes, keeping eye lids open. Get medical attention
Skin contact	Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap.
Hazardous Inhalation	Allow the victim to rest in a well ventilated area. Give artificial respiration if not breathing. Get medical attention if symptoms appear.
Hazardous ingestion	Do not induce vomiting. Seek medical attention.

Section II. Hazardous Ingredients				
Name	CAS#	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Not hazardous				

Section III. Physical Data			
Physical state and appearance	Colorless to amber liquid.	Odor	Slight indiscernible odor
pH and Solution Conc.	3.0 – 4.0	Taste	Not available
Odor threshold	Not available	Color	Colorless
Volatility	64% (+/- 2%)		
Melting Point	Not available		
Boiling point	101.7°C (215°F)		
Specific Gravity	1.1		
Vapor density	0.7 (Water)		
Vapor pressure	18.0 mm Hg		
Evaporation rate	Not available		
Viscosity	Not available		
Ionicity (surface active agent)	Not available		
Critical temperature	May crystallize below 10°C		
Instability temperature	Not available		
Condition of instability	Note available		
Dispersion properties	Not available		
Solubility	Complete		
VOC's (g/L)(EPA 24/24A)	Not available		
HAPs or TAPs	Clean air act (CAA) 112 accidental release prevention : Not listed Clean air act (CAA) 112 regulated flammable substances : Not listed Clean air act (CAA) 112 regulated toxic substances : Not listed		

Section IV. Fire and Explosion Data	
The product is	Non-flammable
Auto-ignition temperature	Not available
Fire degradation products	This product is not known to present any fire hazard
Flash points	Not available
Flammable limits	Not available
Fire extinguishing procedures	Use NFPA Class B1, extinguishers. (Water fog, spray). Dried resin will support combustion. Wear self – contained breathing apparatus and protective clothing.
Flammability	Not applicable
Risks of explosion	Not applicable

Section V. Reactivity Data	
Stability	Stable
Freeze/Thaw Stability	May crystallize below 10°C. Move to a warm area and stir until crystals are dissolved.
Hazardous decomp. / products	Not available, do not heat, do not freeze
Degradability	Not available
Products of degradation	Oxides of Carbon.

Corrosivity	Non corrosive in presence of glass, stainless steel (316)
Reactivity	May react with strong oxidizing agents, strong acids, alkalies.

Section VI. Toxicological Properties

Routes of entry	Skin contact, inhalation, Eye contact, Ingestion	
TLV	This product is considered to have no toxicity. Refer to Section II. Hazardous Ingredients	
Toxicity to animals	LD50 (dermal) : Not available LC50: Not available	
Chronic effects on humans	CARCINOGENIC EFFECTS	Not available
	MUTAGENIC EFFECES	Not available
	TERATOGENIC EFFECTS	Not available
	DEVELOPMENTAL TOXICITY	Not available
Acute effects on humans	Non irritant.	
Aquatic Toxicity (LC50)	Not available	

Section VII. Preventive Measures

Waste Information	This material, as received, is not expected to be a hazardous waste. Waste management should be in compliance with federal, state and local regulatory requirements.
Waste Stream	Not available
Storage	Keep container tightly closed in a cool, well-ventilated place. Avoid storage at temperatures below 10°C or above 50°C. Empty container may contain product residues and should be handled accordingly.
Precautions	Handle in well ventilated work space.
Small spill and leak	Absorb with an inert material and place in an appropriate waste disposal container. Finish by washing the contaminated area with soap and water and dispose in accordance with local and state regulations.
Large spill and lea	Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Protective clothing in case of large spill	Splash goggles. Boots, Full suit, gloves. Respiratory protection is necessary if handling spills or in case of gross contact. Any contaminated clothing should be removed and laundered.

Section VIII. Classification

DOT	Not a DOT controlled material
	Not applicable, RQ Not available
Maritime transportation	Not pollutant
HCS	Not controlled under HCS (United States)
Federal and State regulations. Canadian WHMIS	This products is not considered to be controlled product under WHMIS
	CERCLA: Hazardous substances: Not listed SARA 313 toxic chemical notification and release reporting: Not listed
International lists	Not available
HMIS Hazard Rating	Health : 1 Flame : 0 Reactivity : 0 (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)

Section IX. Protective Clothing

Safety glasses, Gloves (impervious)	
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Section X. Other information

References	Not available
Special Test Results	Not available
Emergency information	+1 (301) 767 1177

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