



# 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	<b>Ma-Bond PE</b>	TSCA	TSCA inventory: All components listed TSCA 12(b) one time export: Not Listed TSCA 12(b) annual export notification: Not Listed
Chemical Name	Not applicable		
Chemical formula	Aqueous based cross-linker	DSL	CEPA DSL: All components listed CEPA NDSL : Not listed
Chemical family	Not available		
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 <sub>50</sub> /LD <sub>50</sub>
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.

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

## Section VI. Toxicological Properties

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

## Section VII. Preventive Measures

<b>Waste Information</b>	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.
<b>Waste Stream</b>	Not available
<b>Storage</b>	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.
<b>Precautions</b>	Handle in well ventilated work space.
<b>Small spill and leak</b>	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.
<b>Large spill and lea</b>	Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Protective clothing in case of large spill</b>	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

<b>DOT</b>	Not a DOT controlled material
	Not applicable, RQ Not available
<b>Maritime transportation</b>	Not pollutant
<b>HCS</b>	Not controlled under HCS (United States)
<b>Federal and State regulations. Canadian WHMIS</b>	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
<b>International lists</b>	Not available
<b>HMIS Hazard Rating</b>	Health : 1    Flame : 0    Reactivity : 0 (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)

## Section IX. Protective Clothing

<b>Safety glasses, Gloves (impervious)</b>	
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## Section X. Other information

<b>References</b>	Not available
<b>Special Test Results</b>	Not available
<b>Emergency information</b>	<b>+1 (301) 767 1177</b>

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