



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-Stab XL	TSCA	TSCA inventory: All components listed	
Chemical Name	Not applicable		TSCA 12(b) one time export: Not Listed	
Chemical formula	Not applicable	DSL	TSCA 12(b) annual export notification: Not Listed	
Chemical family	Surfactant / Chelate		CEPA DSL: Ma-Terge AP CEPA NDSL : Not listed	
Manufactured / Supplied	Maple Solutions 3019 Lake Road D.D.O. QC, H9B 2R3, Canada	CAS#	Mixture	
Material uses	Not available	Code		
Validation Date	Validated on 2006/9/5	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.
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. Loosen tight clothing such as a collar, tie, belt or waistband. Oxygen may be administered if breathing is difficult.
Hazardous ingestion	If ingested, seek medical advice immediately and show the container or the label

Section II. Hazardous Ingredients				
Name	CAS#	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Proprietary Etoxylate		5 – 20	Not available	Not available
Hydrochloric Acid	7647-01-0	<0.5	Not available	Not available

Section III. Physical Data			
Physical state and appearance	Liquid (clear)	Odor	Mild
pH and Solution Conc.	5.5 to 7.5	Taste	Not available
Odor threshold	Not available	Color	Yellow
Volatility	71 to 74% (w/w)		
Melting Point	May start to solidify at 0°C (32°F) based on data for : Water		
Boiling point	The lowest known value is 100°C (212°F) (Water)		
Specific Gravity	1 to 1.1 (Water = 1)		
Vapor density	Not available		
Vapor pressure	Not available		
Evaporation rate	Not available		
Viscosity	Not Tested		
Ionicity (surface active agent)	Weakly anionic		
Critical temperature	Not available		
Instability temperature	Not available		
Condition of instability	None known		
Dispersion properties	See solubility in water		
Solubility	Easily soluble in hot and cold water		
VOC's (g/L)(EPA 24/24A)	0 (g/L)		
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	Not available
Flash points	Not available
Flammable limits	Not available
Fire extinguishing procedures	Not available
Flammability	Not applicable
Risks of explosion	Product does not have explosive properties

Section V. Reactivity Data	
Stability	Stable
Freeze/Thaw Stability	Not available
Hazardous decomp. / products	Oxides of carbon
Degradability	Not available
Products of degradation	Oxides of carbon, the product or its products of degradation are not toxic.

Corrosivity	Non corrosive in presence of glass, stainless steel (316)
Reactivity	Slightly reactive to reactive oxidizing agents, alkalis. Non-Reactive with acids

Section VI. Toxicological Properties

Routes of entry	Eye contact, Inhalation, Ingestion	
TLV	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 toxic
	Repeated or prolonged exposure is not known to aggravate any medical condition	
Acute effects on humans	Slightly hazardous in case of eye contact (irritant), of ingestion. Repeated skin exposure can produce local skin destruction or dermatitis.	
Aquatic Toxicity (LC50)	Not available	

Section VII. Preventive Measures

Waste Information	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.
Precautions	Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. After handling, always wash hands thoroughly with soap and water. Keep container tightly closed in a cool, well-ventilated place.
Small spill and leak	Dilute with water and mop up or absorb with an inert material and place in an appropriate waste disposal container. If necessary, neutralize the residue with a diluted solution of sodium carbonate.
Large spill and lea	Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Neutralize the residue with a diluted solution of sodium carbonate. Be careful that the product is not present at a concentration level above TLV.
Protective clothing in case of large spill	Splash goggles. Boots, Full suit, gloves. Consult a specialist before handling this product.

Section VIII. Classification

DOT	Not a DOT controlled material (United States)
	Not applicable, RQ Not available
Maritime transportation	Not pollutant
HCS	HCS Class: Irritating substance
Federal and State regulations	Note: California Prop. 65 require the listing of reportable chemicals that is believed to exist in this product at any detectable or suspected level no matter how minute. Listed components exist only in trace amounts: Pennsylvania, Massachusetts, New Jersey : Hydrochloric Acid.
	CERCLA: Hazardous substances: Not listed SARA 313 toxic chemical notification and release reporting: Not listed
International lists	Not available

Section IX. Protective Clothing

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

References	Not available
Special Test Results	Not available
CHEMTREC (24 HRS)	+1 (800) 424 9300
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