



# 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-Fresh CLR</b>	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	Silver compound		CEPA DSL: Ma-Fresh CLR CEPA NDSL : Not listed	
Manufactured / Supplied	Maple Solutions 3019 Lake Road D.D.O. QC, H9B 2R3, Canada	CAS#	Mixture	
Material uses	Antimicrobial liquid suspension	Code		
Validation Date	Validated on 27 March 2007	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. If symptoms persist, seek 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 fresh air. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, get medical aid.
Hazardous ingestion	If victim is conscious and alert, rinse mouth and give 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Seek medical aid and show the container or the label.

Section II. Hazardous Ingredients				
Name	CAS#	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Contain no dangerous chemical				

Section III. Physical Data			
Physical state and appearance	Liquid	Odor	Not available
pH and Solution Conc.	3.0 to 4.0 (at 20°C)	Taste	Not available
Odor threshold	Not available	Color	White
Volatility	Not available		
Melting Point / Freezing point	0 °C / -15°C		
Boiling point	102 °C		
Specific Gravity	1.017 g.m <sup>-3</sup> (at 20°C)		
Vapor density	Not available		
Vapor pressure	Not available		
Evaporation rate	Not available		
Viscosity	1.059 cP		
Ionicity (surface active agent)	Not available		
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)	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	Incombustible
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 under normal temperature and pressure
Freeze/Thaw Stability	Not available
Hazardous decomp. / products	Will not occur

<b>Degradability</b>	Avoid direct light
<b>Products of degradation</b>	Not available
<b>Corrosivity</b>	Not available
<b>Reactivity / incompatibility</b>	May react with and is incompatible with Strong oxidizing agents, alkali, concentrated electrolytes

**Section VI. Toxicological Properties**

<b>Routes of entry</b>	Inhalation, skin contact, dermal absorption		
<b>TLV</b>	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	Not available	
	MUTAGENIC EFFECTS	Not available	
<b>Chronic effects on humans</b>	TERATOGENIC EFFECTS	Not available	
	DEVELOPMENTAL TOXICITY	Not toxic	
The toxicological properties of this substance have not been fully investigated.			
<b>Acute effects on humans</b>	Eye contact: may cause irritation. Ingestion: may cause stomach upset. Inhalation: may cause irritation of the respiratory tract.		
<b>Aquatic Toxicity (LC50)</b>	Not available		

**Section VII. Preventive Measures**

<b>Waste Information</b>	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. Do not store in direct sunlight. Use opaque tightly closed containers.
<b>Precautions</b>	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.
<b>Small spill and leak</b>	Dilute with water and mop up or absorb with an inert material and place in an appropriate waste disposal container. Do not store in direct sunlight.
<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. Pump material in container if feasible. Treat the residue as small spill.
<b>Protective clothing in case of large spill</b>	Splash goggles. Boots, Full suit, gloves. Consult a specialist before handling this product.

**Section VIII. Classification**

<b>DOT</b>	Not a DOT controlled material (United States)			
	Not applicable, RQ Not available			
<b>Maritime transportation</b>	Not pollutant			
<b>HCS</b>	HCS Class: Irritating substance			
<b>Federal and State regulations</b>				
	CERCLA: Hazardous substances: Not listed SARA 313 toxic chemical notification and release reporting: Not listed			
<b>International lists</b>	Not available			
<b>Transportation</b>	<b>UN number</b>	<b>Class</b>	<b>Packing Group</b>	<b>Signal Word</b>
	Not regulated	Not regulated	Not regulated	Caution
<b>HMIS Rating</b>	Fire: 0 Health: 1 Reactivity: 0			

<b>Section IX. Protective Clothing</b>	
Safety glasses, Gloves (impervious). Protective clothing with long sleeve, pants and impervious apron. Use NIOSH or European standard EN149 approved respirator when necessary.	

**Section X. Other information**

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

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