



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-Fresh CLR	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	Not applicable	DSL	CEPA DSL: Ma-Fresh CLR CEPA NDSL : Not listed
Chemical family	Silver compound		
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 ₅₀ /LD ₅₀
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 ³ (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

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

Section VI. Toxicological Properties

Routes of entry	Inhalation, skin contact, dermal absorption		
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 EFFECTS	Not available	
	TERATOGENIC EFFECTS	Not available	
	DEVELOPMENTAL TOXICITY	Not toxic	
	The toxicological properties of this substance have not been fully investigated.		
Acute effects on humans	Eye contact: may cause irritation. Ingestion: may cause stomach upset. Inhalation: may cause irritation of the respiratory tract.		
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. Do not store in direct sunlight. Use opaque tightly closed containers.		
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. Do not store in direct sunlight.		
Large spill and leak	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.		
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				
	CERCLA: Hazardous substances: Not listed SARA 313 toxic chemical notification and release reporting: Not listed			
International lists	Not available			
Transportation	UN number	Class	Packing Group	Signal Word
	Not regulated	Not regulated	Not regulated	Caution
HMIS Rating	Fire: 0 Health: 1 Reactivity: 0			

Section IX. Protective Clothing

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

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

To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist