



# 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-Dust Silver</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	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	Not available	Code		
Validation Date	Validated on 16/04/2004	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 unless directed so by medical personnel. Seek medical attention.

Section II. Hazardous Ingredients				
Name	CAS#	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Mineral Spirits	8030-30-6	<2.5	200 N.E.	
Treated Aluminum		5.8	15 mg/m <sup>3</sup>	

Section III. Physical Data			
Physical state and appearance	Creamy Silver paste	Odor	Slightly aliphatic
pH and Solution Conc.	8.5 – 9.5	Taste	Not available
Odor threshold	Not available	Color	Silver
Volatility	81.0 +- 1.0 (w/w)		
Melting Point	0°C (32°F)		
Boiling point	Not available		
Specific Gravity	1.05 (Water = 1)		
Vapor density	Not available		
Vapor pressure	Not available		
Evaporation rate	Slower than Butyl Acetate		
Viscosity	7,000 – 10,000 cPs (#3; 20 RPM)		
Ionicity (surface active agent)	Not available		
Critical temperature	Not available		
Instability temperature	Not available		
Condition of instability	Note available		
Dispersion properties	See solubility in Water		
Solubility	Dispersible		
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	Fire or excessive heat may produce hazardous decomposition products.
Flash points	Not available
Flammable limits	Not available
Fire extinguishing procedures	Not available
Flammability	Not applicable
Risks of explosion	In the unlikely event that all of the water is evaporated, improper handling of any dry organic pigment product may lead to dust cloud formation which can be an explosion hazard.

Section V. Reactivity Data	
Stability	Stable
Freeze/Thaw Stability	Not available
Hazardous decomp. / products	Oxides of carbon and Nitrogen
Degradability	Not available

<b>Products of degradation</b>	Oxides of carbon, Nitrogen. Do not overheat or freeze.
<b>Corrosivity</b>	Non corrosive in presence of glass, stainless steel (316)
<b>Reactivity</b>	May react with strong oxidizing agents.

### Section VI. Toxicological Properties

<b>Routes of entry</b>	Skin contact, inhalation, Eye contact, Ingestion	
<b>TLV</b>	Aqueous dispersion products in general are considered to have low level of 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	Not available
	MUTAGENIC EFFECES	Not available
	TERATOGENIC EFFECTS	Not available
	DEVELOPMENTAL TOXICITY	Not available
	Repeated or prolonged exposure is not known to aggravate any medical condition	
<b>Acute effects on humans</b>	No known published data is available for this product	
<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 away from direct sources of heat. Avoid freezing (0°C) and storage at temperatures of above 35°C. Empty container may contain product residues and should be handled accordingly.
<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. Finish by spreading water on contaminated area and dispose in accordance with local and state regulations. Eliminate all sources of ignition
<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. Eliminate all sources of ignition.
<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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