



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-Dust Silver	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: 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	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 ₅₀ /LD ₅₀
Mineral Spirits	8030-30-6	<2.5	200 N.E.	
Treated Aluminum		5.8	15 mg/m ³	

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

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

Section VI. Toxicological Properties

Routes of entry	Skin contact, inhalation, Eye contact, Ingestion	
TLV	Aqueous dispersion products in general are considered to have low level of toxicity. 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 available
	Repeated or prolonged exposure is not known to aggravate any medical condition	
Acute effects on humans	No known published data is available for this product	
Aquatic Toxicity (LC50)	Not available	

Section VII. Preventive Measures

Waste Information	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.
Waste Stream	Not available
Storage	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.
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. Finish by spreading water on contaminated area and dispose in accordance with local and state regulations. Eliminate all sources of ignition
Large spill and lea	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.
Protective clothing in case of large spill	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

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

Section IX. Protective Clothing

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

References	Not available
Special Test Results	Not available
Emergency information	+1 (301) 767 1177

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