Blackline Manufacturing & Marketing Ltd.

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Material Safety Data Sheet - Blackline: 00001908

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Manufacturer
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P.O. Box 1348
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Canada

Section 01 - Product Information

Product.....Blackline Chalkline Compound
Material Description
Calcium Carbonate CaCO3
Iron Oxide-Black.....Fe203
WHMIS Classification.....Not WHMIS Regulated
T.D.G. Classification.....Not Regulated
Material Use.....Chalk Line Compound

Section 02 - Hazaradous Ingredients/Identity Information

Health Hazard.....1
Flammability Hazard.....0
Reactivity Hazard.....0

Hazardous Components	CAS#	Exposure Limits	
Limestone.....>98.5	1317-63-3	ACGIH TLV	Total Dust 10mg/m3 TWA
		OSHA PEL	Respirable Dust 5mg/m3 TWA
Silica quartz.....<0.3	14808-60-7	ACGIH TLV	0.1 mg/m3 respirable TWA
Iron Oxide.....>10000	1332-37-2	ACGIH TLV	5mg/m3 (as Fe)

Section 03 - Physical Data

Calcium Carbonates	
Physical State	**Solid**
Appearance and odor:	**Fine powder - no odor**
Solubility in water	**0.0014 g/100ml @ 25 degrees celsius**
Density	**2.71 g/ml**
Iron Oxides	
Physical State	**Solid**
Apperance and odor	**Fine powder - no odor**
Solubility in water	**insoluble**

Section 04 - Fire & Explosion Data

Calcium Carbonates/Iron Oxides	
Flash Point	**Non Flammable**
Extingushing Media	**n/a**
Special Fire Fighting Procedures	**None**
Unusual Fire & Explosion Hazards	**None**
Means of Extinction	**Use appropraite extingushing media for surrounding fire**

Section 05 - Reactivity Data

Calcium carbonates	
Stability	**Material is Stable**
Incompatibility	**Reacts with strong acids and liberates carbon dioxide**
Hazardous Polymerization	**Will not occur**
Iron Oxide	
Stability	**Material is Stable**
Incompatibility	**Incompatible with Hydrazine, Calcium Hypochlorite, Performic Acid and Bromine Pentafluoride**
Hazardous Polymerization	**Will not occur**

Section 06 - Health Hazard Data

Routes of Entry	**Inhalation and Ingestion**
Acute Effects	**Mild irritation to the eyes or the repiratory tract can occur due to exposure to nuisance dust above the T.L.V.**
Carcinogenicity - Calcium Carbonates	**Not listed as a carcinogen by OSHA, NTP, or IARC**
Iron Oxide	**Not listed as a carcinogen by OSHA,ACGIH, or IARC**

Cronic Effects

Prolonged inhalation of Iron Oxide dust is known to produce a condition known as siderosis. On X-Ray it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis producing materials such as silica. The TLV is set to protect against siderosis. There is an 8 hour TWA ASHA PEL of 10mg/m3 and an ACGIH TLV of 5mg/m3 for iron oxide fumes. Iron oxide is not normaly encountered as a fume.

There are no known cronic health effects associated with limestone. Cronic explsure to any nuisance dust may cause respiratory problems.

Emergency & First Aid Procedures:

Eyes	**Flush thoroughly with water. If irritation persists, seek medical attention**
Skin	**Wash with mild soap & water**
Inhalation	**Remove to fresh air**
Ingestion	**Ingestion should not cause any significant health problems. If a large amount is ingested induce vomiting & seek medical attention.**

Section 07 - Precautions for Safe Handling and Use

Spill Procedures	**Use respiratory protection during cleanup activities, while trying to minimize dust**
Handling & Storage Precautions	**Shipment of this product must be in compliance with all applicable Federal,Provincial/State and International transportation regulations. Store in cool dry place.**

	Utilize feasible engineering methods to control airborne dust.

Section 08 - Control Measures

Respiratory Protection	**Wear NIOSH / OSHA approved nusance dust respirator if exposure above T.L.V. occurs**
Protective Gloves	**Not Required**
Eye Protection	**Wear goggles or safety glasses if exposure above T.L.V. occurs**
Ventilation	**Provide adequate ventilation to limit nusance dust below T.L.V.**