

# Blackline Manufacturing & Marketing Ltd.

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Material Safety Data Sheet - Redline: 00002908

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Manufacturer  
Blackline Mfg.  
P.O. Box 1348  
Aldergrove B.C. V4W 2V1  
Canada

## Section 01 - Product Information

Product.....Redline Chalkline Compound  
Material Description  
Calcium Carbonate .....CaCO<sub>3</sub>  
Iron Oxide-Red .....Fe<sub>2</sub>O<sub>3</sub>  
WHMIS Classification.....Not WHMIS Regulated  
T.D.G. Classification.....Not Regulated  
Material Use.....Chalk Line Compound

## Section 02 - Hazardous 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 OSHA PEL	Total Dust 10mg/m <sup>3</sup> TWA Respirable Dust 5mg/m <sup>3</sup> TWA
Silica quartz.....<0.3	14808-60-7	ACGIH TLV	0.1 mg/m <sup>3</sup> respirable TWA
Iron Oxide.....>10000	1332-37-2	ACGIH TLV	5mg/m <sup>3</sup> (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  
Appearance and odor Fine powder - no odor  
Solubility in water insoluble

## Section 04 - Fire & Explosion Data

### Calcium Carbonates/Iron Oxides

Flash Point Non Flammable  
Extinguishing Media n/a  
Special Fire Fighting Procedures None  
Unusual Fire & Explosion Hazards None  
Means of Extinction Use appropriate extinguishing 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 respiratory 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 normally encountered as a fume.

There are no known cronic health effects associated with limestone. Cronic exposure 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.

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**Section 08 - Control Measures**

**Respiratory Protection**

Wear NIOSH / OSHA approved nuisance  
dust respirator if exposure above  
T.L.V. occurs

**Protective Gloves**  
**Eye Protection**

Not Required  
Wear goggles or safety glasses if  
exposure above T.L.V. occurs

**Ventilation**

Provide adequate ventilation to limit  
nuisance dust below T.L.V.