

# Blackline Manufacturing & Marketing Ltd.

#110 - 288 East 14th Avenue

Vancouver B.C. V5T 2M6

Canada

Phone & Fax (604) 708-2392

## Material Safety Data Sheet - Blackline

### Manufacturer

Blackline Mfg.

#110-288 East 14th Avenue

Vancouver B.C. V5T 2M6

Canada

### Section 01 - Product Information

Product.....Blackline Chalkline Compound

#### Material Description

Calcium Carbonate .....CaCO<sub>3</sub>

Iron Oxide-Black.....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

Total Dust 10mg/m<sup>3</sup> TWA

OSHA PEL

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

##### 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 extinguishing media  
for surrounding fire

## Material Safety Data Sheet - Blackline

## Section 05 - Reactivity Data

Calcium carbonates

Stability

Incompatibility

Hazardous Polymerization

Iron Oxide

Stability

Incompatibility

Hazardous Polymerization

Routes of Entry

Acute Effects

Carcinogenicity - Calcium Carbonates

Iron Oxide

## 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 &amp; First Aid Procedures:

Eyes

Skin

Inhalation

Ingestion

Material is Stable

Reacts with strong acids and liberates carbon dioxide

Will not occur

Material is Stable

Incompatible with Hydrazine, Calcium Hypochlorite, Performic Acid and Bromine Pentafluoride

Will not occur

## Section 06 - Health Hazard Data

Inhalation and Ingestion

Mild irritation to the eyes or the respiratory tract can occur due to exposure to nuisance dust above the T.L.V.

Not listed as a carcinogen by OSHA, NTP, or IARC

Not listed as a carcinogen by OSHA,ACGIH, or IARC

Flush thoroughly with water. If irritation persists, seek medical attention

Wash with mild soap &amp; water

Remove to fresh air

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 &amp; 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.

**Material Safety Data Sheet - Blackline**

**Page 3**

**Section 08 - Control Measures**

**Respiratory Protection**

**Wear NIOSH / OSHA approved nuisance  
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  
nuisance dust below T.L.V.**