

MINERALTECH

Material Safety Data Sheet

SECTION 1 – Product Identification

IDENTITY (as used on label and list)

Xtreme Blast

Manufacturer's Name

MineralTech, LLC

Telephone #

281-462-4220

Address

P.O. Box 1027 Highlands, TX 77562

SECTION 2 – Chemical Identity and Information on Ingredients

Hazardous Ingredients: (Specific Chemical Identity: Common Name(s))

Fayalita (Complex Silicates and Oxides of Fe, Si, Ca, Al: Copper slag) and Almandite and Pyrote Garnet (Fe, Mg, Al, Si, O)

Fayalita Chemical Formula (SiO₂)Fe and Almandite Garnet (Fe, Mg)₃Al₂(SiO₄)₃

<u>CAS Number</u>	<u>Chemical Name</u>	<u>Percent</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
1309-37-1	Fe ₂ O ₃	6.23-69.63	10mg/cm	5mg/cm
Amorphous(nonfumed,nonfused)	SiO ₂	28.16-30.84	10mg/cm	5mg/cm
1344-28-1	Al ₂ O ₃	2.42-3.61	5mg/cm	10mg/cm
1314-13-2	An	1.49-2.20	5mg/cm	10mg/cm
1305-78-8	CaO	0.30-1.18	5mg/cm	2mg/cm
1309-48-4	Mg	3.8	10mg/cm	10mg/cm
1302-62-1	(Fe,Mg)Al ₂ (Si) ₄) ₃	94-99%		10mg/cm

Nuisance Dust

Total Dust

Respirable Dust

15mg/cm

5mg/cm

10mg/cm

%SiO₂ + 2

10mg/cm

5mg/cm

0.1mg/cm

Contains less than 1% Free Silica

SECTION 3 – Physical and chemical characteristics

Boiling Point – N/A

Vapor Pressure – N/A

Vapor Density – N/A

Solubility in Water – Insoluble

Appearance and Odor – Black, Red and Pink Solid Granules with no odor.

Specific Gravity(H₂O=1.0) 3.9-4-1g/cc

Melting Point – Greater than >2000F

Evaporation Rate – N/A

SECTION 4 – Fire and explosion hazard data

Flash Point – N/A

Extinguishing Media – Product is Non-Flammable and Non-Explosive

Special firefighting procedures – N/A

Unusual fire and explosive hazards – N/A

Flammable Limits – N/A LEL-N/A UEL-N/A

SECTION 5 – Reactivity data

Stability **Unstable ()**
Stable (x)

Conditions to avoid

Product stable under normal condition of use, storage and transfer.

Incompatibility (materials to avoid)

N/A

Hazardous decomposition or byproducts

N/A

Hazardous **May occur (x)****Polymerization** **Will occur (x)****Conditions to avoid** - Strong ACID Contamination**None****SECTION 6 - Health hazard data****Route(s) of entry****Inhalation?**

Yes

Skin?

Yes

Eyes?

Yes

Ingestion?

Yes

Health hazards (acute and chronic)

Acute – Eyes, skin and respiratory tract irritant

Chronic – Excessive exposure by inhalation of particles less than 5um may aggravate respiratory tract and pre-existing health conditions.

Carcinogenicity**NTP?**

None

IARC Monographs?

None

OSHA regulations

None

IARC Monographs indicate evidence for the carcinogenicity of inhaled silica in humans.

Signs and symptoms of exposure

Over exposure may result in irritation to eyes, skin or the respiratory tract.

Medical conditions generally aggravated by exposure

Possible respiratory disorders or diseases may be aggravated by exposure.

Emergency and first aid procedures

EYE CONTACT: Wash eyes with water to flush out dust particles.

SKIN CONTACT: Wash affected area with soap and water.

INHALATION EXPOSURE: Move to fresh.

INGESTION: Rinse mouth with water.

SECTION 7 -- Precautions for safe handling and use**Steps to be taken in case material is released or spilled**

Wear proper protective equipment meeting OSHA 29 CFR 1910.134 to avoid exposure to material. Possible respiratory disorders or diseases may be aggravated by exposure to nuisance dust generated during handling or use. Spilled materials should be swept or vacuumed in to appropriate containers.

Water disposal methods

Follow local, state and federal guidelines for disposal of inert solid waste.

MATERIAL CONTAMINATED IN USE MAY REQUIRE SPECIAL HANDLING.**Precautions to be taken in handling and storing**

Wear PPE meeting NIOSH and OSHA standards under 29 CFR 1910.134

Other precautions

None

SECTION 8 -- Control measures**Respiratory protection (specify type)**

NIOSH/MSHA approved filters and air supplied hoods for blasters.

Ventilation

YES

Local exhaust

Provide enough ventilation for visual contact with work surfaces

Mechanical (general)

In accordance with 29 CFR 1910.94 for ventilation abrasive blasting

Protection gloves

Leather or equivalent – in use

Eye protection

Air fed hood with lens protection or goggles

Other protective clothing or equipment

Blast abrasive suit

Work/hygienic practices

Maintain a clean and safe work environment and monitor work practices.

SECTION 9 - PREPARATION DATE OF MSDS

The MSDS was prepared from information provided by raw material suppliers to MineralTech, LLC

DATE ISSUED: January 2013

General inquiries may be directed to 281-462-4220