SAFETY DATA SHEET

SECTION 1: Identification

Producer: **MineralTech Gulf Coast Abrasives, LLC**
11501 Crosby Lynchburg Road Crosby, TX 77532

Emergency Contact: 281-462-4220 (24/7)

Product Name: **MineralTech Emerald Blast™**

CAS Number:

Synonyms: **Magnesium Silicate Abrasive**

Product Uses: Abrasive Blast Media

Revision Date: April 4, 2024

SECTION 2: Hazard Information

GHS US Classification: This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Statements: Not Applicable

Precautionary Statements: Not Applicable

POTENTIAL HEALTH EFFECTS

Physical Appearance: Solid

Immediate Concerns: Emerald BlastTM is not flammable, combustible or explosive; and poses no unusual hazard in an unused condition. During use for abrasive blasting, dust may irritate the respiratory tract, skin and eyes.

Primary Routes of Entry: Inhalation, eyes and skin

SECTION 3: Composition

Component	CAS Number	Wt. Percent
Silicon Dioxide, SIO_2 Amorphous	112926-00-8	48%
Magnesium Oxide	1309-48-4	31%
Iron Oxide (Fe_2O_3)	1309-37-1	13%
Aluminum Oxide	1344-28-1	2.7%
Chromium (III) Oxide	1308-38-9	1.25%
Crystalline Silica - Quartz	14808-60-7	<0.000172%
Crystalline Silica - Cristobalite	14464-46-1	<0.000086%

Contains less than 1% Free Silica

SECTION 4: First Aid Measures

General: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Hold eyelids open to ensure that the eye is being irrigated. Seek medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes.

Inhalation: Remove to fresh air and keep at rest in a comfortable position for breathing. If not breathing, ensure an open airway and provide artificial respiration. Seek medical attention immediately.

Ingestion: If swallowed, rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media

Not specifically applicable to the product (as is). This material may be used to smother fires.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Fire Hazard: Not flammable

Explosion Hazard: Product is not explosive

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Firefighting Instructions: Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes.

Protection: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: This material may be used to smother fires.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate surrounding areas. Keep upwind. Ventilate area. Spill should be handled by trained cleaning personnel, properly equipped with respiratory and eye protection.

Non-emergency Personnel: Wear protective equipment as described in Section 8. Evacuate unnecessary personnel.

Emergency Responders: Wear suitable protective clothing, gloves and eye or face protection. For further information, refer to Section 8: Exposure Controls/Personal Protection

Environmental Precautions: Prevent entry into sewers and public waters. Avoid release to the environment. Notify the authorities if product enters sewers or public waters.

Method and Material for Containment and Cleaning Up

Sweep or shovel spills into appropriate container for disposal, in accordance with the waste regulations (see Section 13). Minimize generation of dust.

SECTION 7: Handling and Storage

Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapor. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe particulates, use an approved respirator.

Conditions for Safe Storage, Including Any Incompatibilities

No additional information available.

SECTION 8: Exposure Controls / Personal Protection

Total Dust (Particulates Not Otherwise Regulated (PNOR))

OSHA PEL-TWA:: 15 mg/m^3
ACGIH TLV-TWA: 10 mg/m^3 (recommendation)

Respirable Dust

OSHA PEL-TWA:: 5 mg/m^3
ACGIH TLV-TWA: 3 mg/m^3 (recommendation)

Magnesium Oxide

OSHA PEL-TWA:: 15 mg/m^3
ACGIH TLV-TWA: 10 mg/m^3 (recommendation)

Aluminum Oxide

OSHA PEL-TWA:: 15 mg/m^3 (total)
5 mg/m^3 (respirable)
ACGIH TLV-TWA: 1 mg/m^3 (respirable)

Iron Oxide

OSHA PEL-TWA:: 10 mg/m^3 (fume)
ACGIH TLV-TWA: 5 mg/m^3 (respirable)

Chromium (III) Oxide (as Cr)

OSHA PEL-TWA:: 0.5 mg/m^3
ACGIH TLV-TWA: 0.003 mg/m^3 (inhalable; water soluble)

Appropriate Engineering Controls

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment symbols



Personal Protective Equipment (PPE): Gloves. Safety glasses. Dust formation: dust mask.

Respiratory Protection: Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Positive pressure, air supplied respirators should be worn if there is a potential of an uncontrolled release or when concentrations exceed the protection of the APR.

Hand Protection: Wear protective gloves when handling or using this product.

Eye Protection: Safety glasses with side-shields must be worn when handling this product.

Skin and Body Protection: Wear suitable protective clothing.

SECTION 9: Phyical and Chemical Properties

Information on basic physical and chemical properties

Physical State:	Solid	**Relative Evaporation Rate (butyl:**	No data available
Appearance:	Granular solid	**Flammability (solid, gas):**	No data available
Color:	Greenish-blue	**Vapor Pressure:**	No data available
Odor:	Odorless	**Relative Vapor Density at 20 °C:**	No data available
Odor Threshold:	No data	**Relative Density:**	No data available
pH:	No data	**Specific Gravity / Density :**	90 - 100 Lbs / ft3
Melting Point:	2600 °F	**Solubility:**	No data available
Freezing Point:	No data available	**Log Pow:**	No data available
Boiling Point:	No data available	**Auto-Ignition Temperature:**	No data available
Flash Point:	No data available	**Decomposition Temperature:**	No data available

Other Information

No other information available

SECTION 10: Stability and Reactivity

Reactivity:	No additional information available
Chemical Stability:	No additional information available
Possibility of Hazardous Reactions:	No additional information available
Conditions to Avoid:	No additional information available
Incompatible Materials:	No additional information available
Hazardous Decomposition Products	No additional information available

SECTION 11: Toxicological Information

Acute Toxicity (oral:)	Not classified	**Germ Cell Mutagenicity:**	Not classified
Acute Toxicity (dermal):	Not classified	**Carcinogenicity:**	Not classified
Acute Toxicity (inhalation):	Not classified	**Reproductive Toxicity:**	Not classified
Skin Corrosion/Irritation:	Not classified	**STOT-Single Exposure:**	Not classified
Serious Eye Damage/Irritation:	Not classified	**STOT-Repeated Exposure:**	Not classified
Respiratory or Skin Sensitization:	Not classified	**Aspiration Hazard:**	Not classified

Viscosity, Kinematic:	No data available
Symptoms/Effects	Not expected to present a significant hazard under anticipated conditions of normal use
Symptoms/Effects After Inhalation:	May cause respiratory irritation.
Symptoms/Effects After Skin Contact:	May cause skin irritation.
Symptoms/Effects After Eye Contact:	Direct contact with the eyes is likely to be irritating.
Symptoms/effects After Ingestion:	May cause gastrointestinal irritation.

SECTION 12: Ecological Information

Toxicity:	No additional information available
Persistence and Degradability:	No additional information available
Bioaccumulation Potential:	No additional information available
Mobility in the Soil:	No additional information available
Other Adverse Effects:	No additional information available

SECTION 13: Disposal Considerations

Waste Treatment Method

Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Product/Packaging Disposal Recommendations

Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transportation Information

Department of Transportation (DOT): In accordance with DOT. Not regulated.
Transportation of Dangerous Goods: Not regulated.
Transport by Sea (IMDG): Not regulated.
Air Transport (IATA): Not regulated.

SECTION 15: Regulatory Information

UNITED STATES FEDERAL REGULATIONS

Mineral Tech Emerald Blast™

All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule"). as of Feb. 2019, or are otherwise exempt.

OSHA Hazard Communication Standard Rating: Non-Hazardous

Toxic Substances Control Act: Listed on the TSCA Inventory.

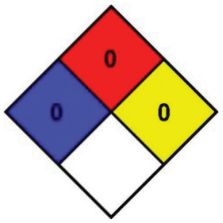
U.S. State Regulatory Information:

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

COMPONENT	STATE OR LOCAL REGULATIONS
Silicon Dioxide, SiO_2, Amorphous	U.S. - New Jersey - Right To Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right to Know List
Magnesium Oxide (1309-48-4)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Iron Oxide (Fe_2O_3) (1309-37-1)	U.S. - Massachusetts - Right to Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Aluminum Oxide (1344-28-1)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Chromium(III) Oxide (1308-38-9)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other Information

NFPA Health Hazard: 0 – Non-hazardous
NFPA Fire Hazard: 0 – Will not burn under typical fire conditions
NFPA Reactivity: 0 – Stable material



HMIS HAZARD RATING

Health: 0
Flammability: 0
Physical: 0

Disclaimer of Express and Implied Warranties

The information contained herein relates only to the specific material described and may not be valid for such material used in combination with any other materials or in any process. This Safety Data Sheet is based upon information believed to be accurate as of the date indicated. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED HEREIN. No responsibility is assumed for any damage or injury from use of the product or from failure to adhere to recommended and industry safety practices. The information provided in this Safety Data Sheet is provided on the condition that the person or entity receiving the product shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume all risk associated with the use.