

MATERIAL SAFETY DATA SHEET

1.0 Chemical Product and Company Identification

Product Name: Emerundum, Emery, Emerite
Chemical Name: IRON ALUMINUM SILICATE
Company Name: Washington Mills Electro Minerals Corp.
20 North Main Street
North Grafton, Massachusetts 01536
(508) 839-6511 Fax (508) 839-7675
Emergency/Technical (716) 278-6763
CHEMTREC (800) 424-9300

2.0 Composition/Information on Ingredients

<u>Component</u>	<u>CAS No.</u>	<u>OSHA Exposure Limits (PEL)</u>	<u>ACGIH Rec. Limits (TLV)</u>	<u>Percent By Weight</u>
Iron Aluminum Silicate	12415-34-8	15 mg/m ³	5 mg/m ³	92.5 - 94.5

3.0 Hazard Identification/ Potential Health Effects

Eye: May irritate eyes.
Skin: Not absorbed through the skin. May cause abrasions.
Ingestion: Not recommended. May produce gastrointestinal upset if ingested.
Inhalation: May cause coughing, dyspnea, wheezing, impaired pulmonary functions. May cause inflammation of the respiratory passages, ulceration and perforation of the nasal septum and possible pneumonia.
Chronic Effects: May affect the lungs and breathing capacity.

4.0 First Aid Measures

Eyes: Wash with large amounts of water. Get medical attention, if needed.
Skin: Wash with water. Obtain first aid or medical assistance if needed.
Ingestion: If swallowed, seek medical attention.
Inhalation: Remove to fresh air, apply artificial respiration as needed. Get medical attention if needed.

5.0 Fire Fighting Measure

Flammable Properties: Non-flammable
Flash Point: None
Fire/Explosion Potential: None
Upper and Lower Flammable limits: None
Autoignition Temperature: None
Special Fire Fighting Procedures: None

6.0 Accidental Release Measures

Personal precautions: Wear protective equipment. See Section 8.
Cleanup Measures: Normal cleanup procedures. Avoid generating dust. Dispose according to standard landfill methods consistent with applicable Federal, State and Local laws.

7.0 Handling and Storage

Normal Storage: General storage, ambient air temperature and pressure.
Handling: Avoid generating dust. Handle with adequate ventilation for dust. See OSHA 29 CFR 1910-94 (Ventilation).

8.0 Exposure Controls, Personal Protection

Engineering Control: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below PELs or TLVs.
Respiratory Protection: Recommended if TLVs or PELs are exceeded. Use NIOSH/MSHA approved respirators.
Skin and Hand Protection: Gloves as desired by user.
Eye and Face Protection: Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggles.

9.0 Physical and Chemical Properties

Appearance: dark gray in color
Odor: Odorless **pH:** N/A
Boiling Point: N/A **Melting Point:** 2100 ° C
Flash Point: None **Explosive Properties:**
None
Oxidizing Properties: None **Vapor Pressure:** N/A
Vapor Density: N/A **Specific Gravity:** 3.5
Water Solubility: Insoluble
Solubility in other solvent: Partially soluble in acids.

10.0 Stability and Reactivity

Chemical Stability: Stable **Incompatibility:** None
Polymerization: Will not occur **Conditions to Avoid:** N/A

11.0 Toxicological Information

Not Available

12.0 Ecological Information

Not Available

13.0 Disposal Considerations

Approved landfill in accordance with all local, state and federal regulations.

14.0 Transportation Information

US DOT - Not regulated as a hazardous material

15.0 Regulatory Information

TSCA - The chemical components of this product are registered under the Toxic Substance Control Act (Title 40 CFR Part 710).

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