

# WASHINGTON MILLS

ELECTRO MINERALS COMPANY



## MATERIAL SAFETY DATA SHEET

### 1.0 Chemical Product and Company Identification

**Product Name:** Blastite BT, Niagara Blast, Duratred, Ultra L1, Duralum Products: Polishing Grains & Powders, Buffing Powders, Microgrits, GW, LT/LTR, Redkote, Silkote, HRG, GW/HBD, GW/LBD, LBD, HC, XA, RF, RF DCF, LT P&C, XA K5RL 700 & F, K5 WT, K5 X, K5 RF DCF

**Chemical Name:** BROWN ALUMINUM OXIDE

**Company Name:** Washington Mills Electro Minerals Corp.  
1801 Buffalo Ave.  
P.O. Box 423  
Niagara Falls, NY 14302  
(716)278-6600 Fax (716)278-6654

**Emergency/Technical:** (716)278-6763  
**CHEMTREC:** (800)424-9300

### 2.0 Composition/Information on Ingredients

Component	CAS No.	OSHA Exposure Limits (PEL)	ACGIH Rec. Limits (TLV)	Percent By Weight
Aluminum Oxide <sup>1</sup>	1344-28-1	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	92-99
Titanium Dioxide	13463-67-7	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	1 - 4
Iron Oxide	1309-37-1	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	0.1-1.5
Silicon Dioxide	7631-86-9	80 mg/m <sup>3</sup> % SiO <sub>2</sub>	30 mg/m <sup>3</sup> % quartz + 3	0.2-1.7
Other oxides total less than 1%				

<sup>1</sup>Non-fibrous form of aluminum oxide

### 3.0 Hazard Identification/Potential Health Effects

**Eye:** May irritate eyes  
**Skin:** Not absorbed through the skin. May cause abrasions.  
**Ingestion:** No known adverse effects, but ingestion not recommended.  
**Inhalation:** May cause coughing or shortness of breath.  
**Chronic Effects:** May affect 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 using 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: Granular Brown to Black  
Odor: Odorless pH: N/A  
Boiling Point: Sublimes Melting Point: 2040 °C  
Flash Point: None Explosive Properties: None  
Oxidizing Properties: None Vapor Pressure: N/A  
Vapor Density: N/A Specific Gravity: 3.95  
Water Solubility: Insoluble  
Solubility in Other Solvent: Partially soluble in HF

**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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*The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof, however, Washington Mills Electro Minerals Corporation makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations and assumes no liability to any user thereof.*