



## 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>	1344-28-115	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.

