

# WASHINGTON MILLS

## MATERIAL SAFETY DATA SHEET

### 1.0 Chemical Product and Company Identification

**Product Name:** BLASTITE BT, DURALUM, DURALUM GW, DURALUM HBD, NIAGARA BLAST, DURATRED, DURALUM GW VIT, DURALUM HC, DURALUM K5, DURALUM LBD, DURALUM RF, DURALUM HC, DURALUM DCF, DURALUM LT, DURALUM LTR, DURALUM XA, Redkote, Silkote

**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	mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	92-99
Titanium Dioxide	13463-67-715	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.

