NASHINGTON MILLS ELECTRO MINERALS COMPANY





MATERIAL SAFETY DATA SHEET

1.0 Chemical Product and Company Identification

Product Name: Blastite BT, Niagara Blast, Duratred, Ultra

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

BROWN ALUMINUM OXIDE Chemical Name:

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 Aluminum Oxide	CAS No. 1 1344-28-	OSHA Exposure <u>Limits (PEL)</u> 115 mg/m ³	Rec.	Percent By <u>Weight</u> 92-99
Titanium Dioxide	e 13463-67-	715 mg/m ³	10 mg/m ³	1 - 4
Iron Oxide	1309-37-1	10 mg/m ³	5 mg/m ³	0.1-1.5
Silicon Dioxide	7631-86-9	80 mg/m ³ % SiO ₂	30 mg/m ³ % quartz + 3	
Other oxides total less than 1%				

¹Non-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.

No known adverse effects, but ingestion Ingestion:

not recommended.

Inhalation: May cause coughing or shortness of

breath.

Chronic Effects: May affect breathing capacity.

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.

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

Accidental Release Measures 6.0

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.

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.

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WASHINGTON MILLS ELECTRO MINERAL COMPANY

pH: N/A

Explosive Properties: None

Melting Point: 2040 °C

Vapor Pressure: N/A

Specific Gravity: 3.95





MATERIAL SAFETY DATA SHEET

Physical and Chemical Properties

Appearance: Granular Brown to Black

Odor: Odorless **Boiling Point: Sublimes** Flash Point: None Oxidizing Properties: None Vapor Density: N/A

Water Solubility: Insoluble

10.0 Stability and Reactivity

Solubility in Other Solvent: Partially soluble in HF

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

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).

Prepared By: Margaret A. O'Brien,

Manager, Environmental, Health & Safety

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.

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