

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 ¹ | 1344-28-115 | 115 mg/m ³ | 10 mg/m ³ | 92-99 |
| Titanium Dioxide | 13463-67-715 | 10 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 | 0.2-1.7 |

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.
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.

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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

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.

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;