

# MATERIAL SAFETY DATA SHEET

## EFFECTIVE DATE: 03-14-2007

### SECTION I- IDENTIFICATION

Product Name: **BT**  
Chemical Family: **Oxides**  
Chemical Name:  
**Fused Aluminum Oxide - Brown**  
Chemical Formula: **Al<sub>2</sub>O<sub>3</sub>**  
Manufacturers Name:  
**Elfusa Geral de Eletrofusão Ltda**  
Factory Address: **São João da Boa Vista - São Paulo - Brazil**  
USA Office: **6905 - A San Tomas Road Route 100, Business park, Baltimore, Maryland 21227-USA**

### SECTION II-PHISICAL CHARACTERISTICS

Appearance & Odor:  
**Crystalline Particles: No Odor**  
Specific Gravity (H<sub>2</sub>O=1):  
**4.0 g/cm<sup>3</sup>**  
Boiling Point: **6000 F**  
Volatiles (% By WT): **Not Applicable**  
Water Solubility: **Not Applicable**

### SECTION III-CHEMICAL CHARACTERISTICS

Al <sub>2</sub> O <sub>3</sub>	95.53
TiO <sub>2</sub>	2.82
SiO <sub>2</sub>	0.90
Fe <sub>2</sub> O <sub>3</sub>	0.18
MgO	0.28
CaO	0.11
Na <sub>2</sub> O	0.11
K <sub>2</sub> O	0.07

### SECTION IV-FIRE AND EXPLOSION DATA

Flash Point: **Not Applicable**  
Flammability Limits: **Not Applicable**  
Extinguishing Media: **Not Applicable**  
Unusual Fire & Explosion Hazards: **Not Applicable**  
Special Fire Fighting Procedures: **Not Applicable**

### SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: **10 mg/m<sup>3</sup> as Total Dust**  
Effects Of Over Exposure:  
**Not Applicable**  
Emergency First Aid Procedure:  
**Not Applicable**  
**NOTE: THIS MATERIAL IS A NON - TOXIC NUISANCE DUST**

### SECTION VI- REACTIVITY DATA

Stability: **Stable**  
Hazardous Polymerization: **Will Not Occur**  
Conditions To Avoid: **Not Applicable**  
Incompatibility (Materials To Avoid): **None**  
Hazardous Decomposition Products: **Not Applicable**

### SECTION VII- SPILL OR LEAK PROCEDURES

Steps To Be Taken If Material Is Released Or Spilled: **This Material is Inert and May be Handled by Ordinary Means Such as: Broom, Shovel, Vacuum Cleaner, etc**  
Waste Disposal Method: **Dispose of in Accordance with Federal State and Local Regulations**

### SECTION VIII- SPECIAL PROTECTION INFORMATION

Respiratory Protection: **In Cases of Dust Build-up in Excess of the "TLV" an "NIOSH" Approved Air Respirator is Recommended**

### SECTION IX- SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: **Use Adequate Ventilation so as to Avoid Exceeding "TLV"**  
Other Precautions: **Not Applicable**

**THIS IS ESSENTIALLY SIMILAR TO FORM OSHA 20**