

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 09-16-2006

SECTION I- IDENTIFICATION

Product Name: **AL**
Chemical Family: **Oxides**
Chemical Name:
Fused Aluminum Oxide - White
Chemical Formula: **Al₂O₃**
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, Businesspark, Baltimore, Maryland 21227-USA**

SECTION II-PHISICAL CHARACTERISTICS

Appearance & Odor:
Crystalline Particles: No Odor
Specific Gravity (H₂O=1):
4.0 g/cm³
Boiling Point: **6000 F**
Volatiles (% By WT): **Not Applicable**
Water Solubility: **Not Applicable**

SECTION III-CHEMICAL CHARACTERISTICS

Al ₂ O ₃	99.41
TiO ₂	nihil
SiO ₂	0.07
Fe ₂ O ₃	0.09
MgO	0.03
CaO	0.06
Na ₂ O	0.32
K ₂ O	0.02

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/m³ 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