

Material Safety Data Sheet

According ANSI Z400.1
July/2002

SECTION I - Chemical Product and Company Identification

Trade Name: AL-20 Chemical Name: Aluminum Oxide
Chemical Family: Oxides Synonyms: White aluminum oxide, White corundum
Manufacturer's Name: Elfusa Geral de Eletrofusão Ltda
Company Address: Rua Júlio Michelazzo, 501, São João da Boa Vista, SP, 13872-900
Telephones: +55-19-3634-2300
E-mail: tecnico@elfusa.com.br

SECTION II - Composition, Information or Ingredients

Type of Product: Prepared Chemical Formula: Al_2O_3
CAS Number: 1302-74-5

SECTION III - Hazard Identification

Environmental Effects: inactive
Inhalation: High concentrations would cause irritation Symptom: None
Ingestion: No toxic Symptom: None
Skin Contact: Prolonged exposition would cause irritation Symptom: None
Eyes Contact: Irritation Symptom: None

SECTION IV - First Aid Measures

Inhalation: In case of respiratory difficulties, move to ventilated areas and look for medical assistance
Ingestion: Drink water in large quantities and look medical assistance
Skin Contact: In case of skin irritation, wash the affected local with fresh water and look for medical assistance
Eyes Contact: In case of eyes irritation, wash your eyes with fresh water. If irritation persists, look for medical assistance

SECTION V - Fire-Fighting Measures

Inflammability: It's a not flammable material, no combustibile and no explosion risk
Flame Extinguish Measures: Use ordinary extinguisher
Special Measures for Fire Extinguish: Look for special instruction labeled in the extinguisher

SECTION VI - Accidental Release Measures

Spill or Leak: Respiratory mask and protection must be provided if high powder concentration is present during cleaning

Waste Diposal Method: Recycle. AL-20 is an inert material and special disposal are not required (DISPOSE OF ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS)

SECTION VII - Handling and Storage

Handling: Material may be handled by means such as broom, shovel, vacuum cleaner, etc

Storage: Material may be stored in dry and ventilated local, avoiding humidity contact. Avoid contact with other products to prevent contaminations. Respect a maximum of three pallets or big bags stack. This material must be Kept away from sharp-edged materials.

SECTION VIII - Exposure Controls and Personal Protection

Threshold Limit Value: 10 mg/m³ as total dust

Ventilation: Just enough for natural exhaustion

Air Respirator: In normal conditions a NIOSH/MSHA approved air respirator is recommended

Skin Protection: Impervious gloves and entire body clothes are recommended

Eye Protection: ANSI approved chemical workers goggles

SECTION IX - Physical and Chemical Properties

Appearance: Granulated material

Odor: no odor

Physical State: Solid

Color: White

pH: ~ 7.80 (Alkaline)

Solubility in Water: N/A

Specific Gravity: 3.99 g/cm³

Fusion Point: 2040°C

Percent Volatiles by Volume: N/A

Porosity: 9.0 %

Typical Chemical Analysis

Al ₂ O ₃	99.63	MgO	0.02
TiO ₂	Nihil	CaO	0.04
SiO ₂	0.08	Na ₂ O	0.17
Fe ₂ O ₃	0.05	K ₂ O	0.01
Cr ₂ O ₃	0		

SECTION X - Stability and Reactivity

Stability: In storage conditions defined in section VII this material is stable

Reactivity: Inert material

Hazardous Polymerization: No

Hazardous Decomposition Products: No
Incompatibility (materials to avoid): None

SECTION XI - Toxicological information

There is no information related with normal routes of occupational exposition

SECTION XII - Ecological Information

There is no information related with normal routes of environmental exposition

SECTION XIII - Disposal Considerations

Waste of this product be dispose of in accordance with federal, state and local regulations

SECTION XIV- Transport Information

In case of leaking, use broom or vacuum cleaner to collect the product.
Ventilation is required in the local and, if necessary, use to wash the place.

SECTION XV - Regulatory Information

Not required

SECTION XVI - Other information

This product has undetermined validity

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