

1. Product And Company Identification

Product Name: AL

Company Name: Elfusa Geral de Eletrofusão Ltda
Address: Rua Julio Michelazzo #501
City: São João da Boa Vista – SP
Phones: **Voice:** +55 19 36342300
Fax: +55 19 36342329
E-mail: **Technical:** tecnico@elfusa.com.br
Commercial: comercial@elfusa.com.br
Home Page: <http://www.elfusa.com.br>

2. Composition/Information on Ingredients

Type of Product:	Substance	CAS number:
Chemical Name: Aluminum Oxide (Al ₂ O ₃)		1344-28-1
Impurities contributing to the hazard:	There are no restrictive impurities to the regular use of the product	Concentration % no

3. Hazards Identification

Adverse human health Effects: High concentrations would cause irritation to the respiratory system.
Environmental Effects: No environmental effect has been identified in the regular use of the product.
Physical and Chemical Hazards: No physical or chemical hazard has been identified in the regular use of the product.
Specific Hazards: No specific hazard has been identified in the regular use of the product.

4. First-Aid Measures

Inhalation: In case of respiratory difficulties, move to ventilated areas and look for medical assistance.
Skin Contact: In case of skin irritation, wash the affected local with fresh water and look for medical assistance.
Eye Contact: In case of eyes irritation, wash your eyes with fresh water, and look for medical assistance.
Ingestion: Look for medical assistance.

5. Fire-Fighting Measures

General Information: Not Flammable.
Extinguishing Media: Use the adequate extinguisher according to the fire source.

6. Accidental Release Measures

Personal Precautions: In high levels of airborne exposure, provide respiratory and eyes protection. If possible, use a exhausting system.
Environmental Precautions: This product is inert to the environment and don't request any special precaution.
Methods for Cleaning Up: The material can be collected by regular ways as shovels, brooms and vacuum cleaners. If necessary, the material can be cleaned with water. Disposal in accordance with regulations.

7. Handling And Storage

Handling

Technical Measures: There are no restrictions.
Precautions: 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 to avoid package damaging.
Safe Handling Advice: Respect the maximum stack of 3 pallets or super sacs.
Storage

Technical Measures: There are no restrictions.
Storage Conditions: May be stored in dry, ventilated and free of contaminants. It's not recommended humidity levels higher than 65%.
Incompatible Products: No restrictive information has been found about incompatible products during storage.
Packing Materials: It's recommended to maintain the material in its original packing, including the original pallet.

8. Exposure Controls/Personal Protection

Personal Protective Equipment

Respiratory Protection:

In normal conditions a NIOSH/MSHA approved air respirator is recommended.

Hand Protection:

Impervious gloves are recommended.

Eye Protection:

Approved chemical workers goggles.

Skin and Body Protection:

Entire body clothes are recommended.

Airborne Exposure Limit: 6 mg/m³

9. Physical And Chemical Properties

Physical State:

Solid

Color:

White

Odor:

Odorless

pH [24%]:

9

Fusion Point:

2040°C

Flashpoint:

Not applicable.

Explosion Properties:

Not applicable.

Density:3.94 g/cm³**Solubility:**

Not soluble in water.

10. Stability And Reactivity

Stability:

Stable in the storage conditions described in the item 7.

Hazardous Reactions:

There are no restrictions.

Hazardous Decomposition Products:

There are no restrictions in the regular use of the material.

11. Toxicological Information

Acute Toxicity:

There are no restrictions in the regular personal exposition.

Local Effects:

There are no restrictions in the regular personal exposition.

Other Indications

The inhalation of dust must be prevented, because inert material can also harm the respiratory ways

12. Ecological Information

Information related with normal routes of exposition had not been found. Environmental problems are not expected when the product is handled and used as indicated.

13. Disposal Considerations

Waste from Residues:

Waste of this product must be disposed of in accordance with federal, state and local regulations. There is no restrictive hazardous information about recycling this product. Residues of this product must be disposed according to the regulation.

Contaminated Packing:

Waste of this product packing must be disposed of in accordance with federal, state and local regulations. There is no restrictive hazardous information about recycling the packing.

14. Transport Information

Transport Information:

There are no restrictions.

15. Regulatory Information

There are no specific international regulations for this product. State and local regulations must be consulted.

16. Other Information

It is not required any special procedure to collect the material.

This Electrofused is not recommended for use in food, medicine and cosmetic products.

The improper use of this product or its information above exempts Elfusa of any responsibility.

All data showed in this document are typical, small variations may occur.

To obtain the most recent version of this document, please visit the company internet site.