



#### 4. First Aid measures

<b>Inhalation</b>	Remove victim to fresh air. Seek medical attention if ill effect develops.
<b>Skin contact</b>	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by cold water rinse. Wash clothing before reuse. Seek medical attention if irritation develops.
<b>Eye contact</b>	Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Seek medical advice.
<b>Ingestion</b>	Rinse mouth with water Give water to drink. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.

#### 5. Fire-Fighting measures

<b>Fire extinguishing data</b>	Not flammable, not combustable, does not burn.
<b>Extinguishing media</b>	Dry powder, carbon dioxide and Sand. DO NOT use water jet!
<b>Special protective equipment For firefighters</b>	Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.
<b>Combustion and thermal decomposition products</b>	Thermal decomposition generates: sulfur oxides

#### 6. Accidental release measures

<b>Personal precautions</b>	Avoid dust production. Avoid contact with skin and eyes. Wear recommended personal protective equipment. See Heading 8.
<b>Methods for cleaning up</b>	Residues or small spillages shall be rubbed by cloth and washed by clean water.
<b>Environmental precautions</b>	Prevent entry to sewers and public waters.
<b>After spillage and/or leakage</b>	Sweep or shovel spills into appropriate container for disposal.

## 7. Handling and storage

- Handling precautions** Avoid contact with skin, eyes, and clothing. Avoid breathing dust or mist. It is compatible with lead, rubber, glass, fiber, glass, HDPE, PVC& FRP.  
Keep containers closed when not in use.
- Package** Solid ALUM is packed in inner plastic bags and furtherly in polypropylene woven bags, with each bag containing 25kg or 1MT jumbo bags.  
Liquid ALUM is packed in PE plastic drum and our company will provides special tanks for transportation and storage for the liquid product to the users.
- Storage** Store in dry, cool area.  
Keep container closed when not in use.

## 8. Exposure controls and personal protection

### Personal protection equipment

- Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.  
(NIOSH type N95, N100, P1)
- Hand protection** PVC or other plastic material gloves.
- :Eye protection** Safety glasses with side-shields. Do not wear contact lenses.  
Maintain eye wash fountain and quick-drench facilities in work area.
- Skin and body protection** Chemical resistant ap<sup>o</sup> ron or protective suits if splashing or repeated contact with solution is likely.
- Hygiene measures** Local exhaust is recommended where dust may occur.  
Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- Occupational Exposure Limits** 1.5 mg/m<sup>3</sup>

## 9. Physical and chemical properties

- Form** White solid (lump/chunk/clod/crushed or semi-fine powder)
- (pH (1% solution** 3.5 - 4.0
- Melting point** 90 °C
- Odor** Odorless
- Water solubility** Miscible in water
- Additional information** Refer to producer/distributor technical specification data

## 10. Stability and reactivity

<b>Stability</b>	Stable at ambient temperatures
<b>Materials to avoid</b>	Alkali
<b>hazardous decomposition</b>	No decomposition if stored and applied as directed. Thermal decomposition generates: sulfur oxides.

## 11. Toxicological information

### Acute toxicity

<b>Oral</b>	LD50 ( mouse ) : 6200 mg/kg
<b>Inhalation</b>	The product is not expected to be toxic.

### Irritation

<b>Skin</b>	Prolonged skin contact may cause skin irritation.
<b>Eyes</b>	May cause eye high irritation with susceptible persons.

## 12. Ecological information

<b>Ecotoxicity</b>	Fish LC50 (96h) : > 1000 mg/l Danio rerio Daphnia magna EC50 (48h) : > 160 mg/l Algae Not applicable.
<b>Bioaccumulative potential</b>	Not expected.

## 13. Disposal considerations

<b>Waste from residues/unused</b>	Processing, use or contamination of this product may change the waste management options. Dispose of as special waste in compliance with local and national regulations.
<b>Contaminated packaging</b>	Dispose of as special waste in compliances with local and national regulations.

#### 14. Transport information

**Road, rail and ship** Not classified as dangerous in the meaning of transport regulations.  
Not a hazardous material for transportation.

#### 15. Regulatory information

##### **NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

#### 16. Other information

**Notes** The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

**Prepared by** Golgah Co.

**Date** 7/11/2016

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