

Material Safety Data Sheet

Product Group: Aluminum Sulfate %17

1. Identification of the substance / preparation and of the company / undertaking

Product name Aluminum Sulfate (17% as Al₂O₃)

Symbol(s) $Al_2(SO_4)_3$

Synonims Aluminium Sulphate, Aluminium sulfate 14 hydrate, Alum

Producer/Distributor Golgah Co.

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Identification of product Solid-Powder

Use Chemical applications

Emergency phone number Local emergency center (Iran): 115

or +98 21 887 98 459

2. Composition* / Information on ingredients

Substance name	Value(s)	CAS No. / HS Code	R-Phrase(s)	S-Phrase(s)
Aluminum Sulfae 17%	99.5%	7784-31-8** / 2833-22	R37/38, R41, R42/43	S22, S26, S29, S37, S38, S39, S61
Other	0.50%			

^{*} For additional information on composition and technical specification, refer to our product catalogue.

CAS No. for anhyrous is 10043-01-3

CAS No. for hydrated (x.H20) alum is 17927-65-0

3. Hazards identification

This product is considered to be hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Health effects

Skin May cause slight irritation.

Eyes Risk of serious damage to eyes.

Ingestion Low toxicity product.

Environmental Hazard Not expected

^{**} CAS No. for octadeca (18) hydrous is 7783-31-8

4. First Aid measures

Inhalation Remove victim to fresh air. Seek medical attention if ill effect

develops.

Skin contact 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.

Eye contactContinue to rinse eye with clean water for 20-30 minutes, retract-

ing eyelids often. Seek medical advice.

Ingestion 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

Fire extinguishing data Not flamable, not combustable, does not burn.

Extinguishing media Dry powder, carbon dioxide and Sand. DO NOT use water jet!

Special protective equipment

For firefighters

Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

Combustion and thermal de-

composition products

Thermal decomposition generates: sulfur oxides

6. Accidental release measures

Personal precautions Avoid dust production.

Avoid contact with skin and eyes.

Wear recommended personal protective equipment.

See Heading 8.

Methods for cleaning up Residues or small spillages shall be rubbed by cloth and washed

by clean water.

Environmental precautions Prevent entry to sewers and public waters.

After spillage and/or leakage 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 equip-

ment

(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 or or protective suits if splashing or re-

peated 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/m3

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

Stability Stable at ambient temperatures

Materials to avoid Alkali

hazardous decomposition No decomposition if stored and applied as directed.

Thermal decomposition generates: sulfur oxides.

11. Toxicological information

Acute toxicity

Oral LD50 (mouse): 6200 mg/kg

Inhalation The product is not expected to be toxic.

Irritation

Skin Prolonged skin contact may cause skin irritation.

Eyes May cause eye high irritation with susceptible persons.

12. Ecological information

Ecotoxicity Fish

LC50 (96h) : > 1000 mg/l Danio rerio

Daphnia magna EC50 (48h) : > 160 mg/l

Algae

Not applicable.

Bioaccumulative potential Not expected.

13. Disposal considerations

Waste from residues/unused 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.

Contaminated packaging Dispose of as special waste in compliances with local and nation-

al regulations.

14. Transport information

Road, rail and ship Not classified as dangerous in the meaning of transport regula-

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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