

SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PN353 ALUMINIUM SULPHATE

Synonyms: Alum; Cake Alum

Use: Water and waste treatment; tanning agent, paper and pulp processing, food additive.

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court, Altona, 3018

Telephone Number: (03) 9398 4444

Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC.

Hazard Classification: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS.

Risk Phrases: None allocated.

Safety Phrases: S24/25 Avoid contact with skin and eyes.

Poison Schedule (Australia): None allocated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion
Aluminium sulphate	10043-01-3	100%

4. FIRST AID MEASURES

Medical advice: For advice, contact Poisons Information Centre, phone 131126, or call a doctor.

Inhalation: Remove victim from exposure area into fresh air. If rapid recovery does not occur, seek medical attention.

Skin Contact: Remove contaminated clothing. Flush affected areas with plenty of lukewarm water. If irritation persists, seek medical attention.

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Eye Contact: Immediately flush eyes with plenty of water by holding the eyelids open. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water. Give water to drink provided the person is conscious. Do NOT induce vomiting. Seek medical attention.

Notes to Doctor: Treat symptomatically based on individual reactions of patient and judgement of doctor.

5. FIRE FIGHTING MEASURES

Specific Hazards: Non-combustible solid. Forms aluminium oxide and sulphur trioxide above 650°C.

Fire fighting advice: Fire fighters must wear a self-contained breathing apparatus and full protective clothing and equipment.

Fire Extinguishing Media: Use appropriated extinguishing media most suitable for surrounding fire conditions.

Hazchem Code: None allocated.

Flammability: Non flammable solid.

6. ACCIDENTAL RELEASE MEASURES

Personnel involved in cleanup must wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Use clean, non-sparking tools and equipment. Do not allow product into drains, waterways, and sewers. If product enters waterway, advise the EPA or your local Waste Management. Collect and seal in properly labelled containers for disposal. Refer to State Land Waste Authority for disposal.

7. HANDLING AND STORAGE

Handling advice: Ensure eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and procedures. Wash hands thoroughly after handling product. Take precautionary measures against static discharges by bonding and grounding equipment.

Storage advice: Store in cool, dry, ventilated area. Keep containers tightly closed when not in use. Store away from strong oxidizing agents and ignition sources. Protect from direct sunlight, high temperatures, moisture, static discharges, and structural steel.

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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: Exposure standard established by the Australian Safety and Compensation Council for aluminium soluble salts is a Time Weighted Average of 2mg/m³

Engineering Controls: A system of local or general exhaust is recommended to keep exposures as low as possible. Local exhaust ventilation prevents dispersion of the product into surrounding work areas.

Personal Protection Equipment: RESPIRATOR: Wear an effective dust mask or respirator with dust cartridge where dusts are generated. EYES: Safety glasses with side shields. HANDS: Protective gloves are recommended. CLOTHING: Protective overalls and safety footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white lustrous crystals, granules, or powder.

Boiling Point: Not applicable.

Melting Point: 770°C

Flash Point: Not applicable.

Vapour Pressure: Not applicable.

Vapour Density (Air = 1): Not applicable.

Flammability Limits: Not applicable.

Specific Gravity: Not applicable.

pH: 3.7

Solubility in water: 50%

Corrosiveness: Not applicable.

10. STABILITY AND REACTIVITY

Stability: Stable when stored in sealed container at room temperature.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this material safety data sheet and label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

Acute Health Effects:

Ingested: May cause abdominal pain, nausea, and vomiting. Concentrated solutions can cause burns of the mouth, bleeding stomach, incoordination, muscle spasms and kidney injury.

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Eye: Irritation and inflammation of the eyes. May cause severe damage to eyes.

Skin: Irritates open cuts.

Inhaled: Dust forms sulphuric acid in contact with moisture in air or tissues. May cause sore throat, coughing and irritation of nose and throat. High concentrations may cause congestion and constriction of airways.

Chronic: No information available.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority.

14. TRANSPORT INFORMATION

UN Number: None allocated.

Proper Shipping Name: ALUMINIUM SULPHATE.

Dangerous Goods Class: None allocated.

Subsidiary risk: None allocated.

Packing Group: None allocated.

Hazchem Code: None allocated.

Road and Rail Transport:

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

15. REGULATORY INFORMATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC.

Poisons Schedule: None allocated.

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16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS cannot anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application.

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