Chem Alert Report

Product Name ***ALUMINIUM SULPHATE [FRONINE LAB SUPPLIES].***

Ingredient	Conc.	CAS No.
ALUMINIUM SULFATE HEXAHYDRATE	100%	16828-11-8

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Synonyms ALUMINIUM SULFATE, ALUMINIUM SULPHATE, ALUMINIUM SULPHATE [FRONINE LAB SUPPLIES], PEARL ALUM, PICKLE ALUM, QCHM 00009204 - PRODUCT CODE, SULFATE OF ALUMINA, SULPHATE OF ALUMINA,

Appearance LUSTROUS WHITE SOLID

Odour ODOURLESS

Use(s) FERTILISER, WATER TREATMENT, FLOCCULANT, PESTICIDE, AGRICULTURAL APPLICATIONS, COSMETIC I

Supplier FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26

Stock No. 455.

Poison Sched None Allocated **Hazchem** None Allocated **UN No.** None Allocated **D.G Class** None Allocated

Pkg Group None Allocated **EPG** None Allocated **Sub/Tert Risk** None Allocated

HEALTH HAZARDS

Health Hazard Summary Slightly corrosive. Use safe work practices to avoid eye or skin contact, and dust inhalation. Will hydrolyse (with addition of water) to sulfuric acid, a strong tissue irritant.

Eye Slightly corrosive - irritant. Exposure may result in lacrimation, pain, redness and possible corneal burns with prolonged contact.

Inhalation Slightly corrosive - irritant. Over exposure may result in mucous membrane irritation of nose and throat and coughing.

Skin Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

Ingestion Slightly corrosive. Ingestion may result in ulceration to the mouth and throat with nausea and vomiting.

PRECAUTIONS

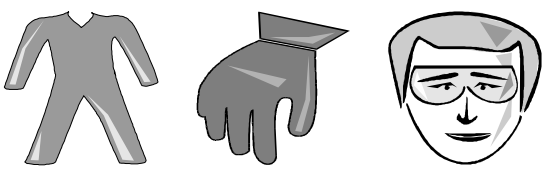
Flammability Non flammable. May evolve flammable hydrogen gas upon contact with metals. Will evolve toxic sulfur oxides when heated to decomposition.

Reactivity Incompatible with oxidising agents, alkalis (eg. hydroxides) and some metals.

Ventilation Do not inhale dusts. Use in well ventilated areas - open doors and windows. In poorly ventilated areas, mechanical extraction ventilation at source is recommended.

PERSONAL PROTECTIVE EQUIPMENT

PPE Wear coveralls, dust-proof goggles and PVC or rubber gloves. At high dust levels, wear a Class P1 (Particulate) Respirator. If vapours are generated, wear a Full-face Type B (Inorganic and acid gas) respirator.



Colour Rating AMBER

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FIRST AID

Eye Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.

Inhalation Leave area of exposure immediately. If assisting a victim avoid becoming a casualty, wear a Type B (Inorganic and acid gas) respirator where an inhalation risk exists. If victim is not breathing apply artificial respiration and seek urgent medical attention.

Skin Gently flush affected areas with water. Seek medical attention if irritation develops.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

SAFE HANDLING

Storage Store in secured, cool, dry, well ventilated area, removed from oxidising agents, alkalis, most metals, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire prevention and ventilation systems.

Waste Disposal Neutralise with lime, weak alkali or similar. For small amounts absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.

Transport Not regulated for transport purposes.

EMERGENCY

Spillage If spilt, collect and reuse where possible. Wear dust-proof goggles, PVC/rubber gloves, coveralls, an apron and boots. Where an inhalation risk exists, wear a Type B-Class P1 (Inorganic and acid gas, Particulate) respirator. Prevent dust generation or if liquid prevent spill entering drains or waterways. Absorb with moist sand or similar and place in sealable containers for disposal. Caution - spill site may be slippery.

Environment WATER: If released to water, aluminium salts will slowly be precipitated as aluminium hydroxide. May lower the pH of waterways with toxic effects to aquatic organisms. Not expected to bioaccumulate. SOIL: Plants may experience chronic toxicity at around 25 ppm.

Fire and Explosion Non flammable. If product is present in a fire, toxic gases may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability:	NON FLAMMABLE	**Flash Point**:	NOT RELEVANT
Boiling Point:	NOT AVAILABLE	**Melting Point**:	86.5 C
Exposure Standard:	2 mg/m3 Aluminium	**Evaporation Rate**:	NOT AVAILABLE
pH:	> 2.9 (1 g/1mL solution)	**% Volatiles**:	NOT AVAILABLE
Specific Gravity:	2.71	**Solubility (water)**:	INSOLUBLE
Vapour Pressure:	NOT AVAILABLE	**Upper Explosion Limit**:	NOT RELEVANT
Lower Explosion Limit:	NOT RELEVANT		

AMBER