

Chem Alert Report

Product Name **AMMONIUM IRON (II) SULPHATE.**

Ingredient

AMMONIUM IRON (II) SULFATE HEXAHYDRATE

Conc.

100%

CAS No.

7783-85-9

Synonyms **NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**
AMMONIUM IRON (II) SULPHATE, FERROUS AMMONIUM SULFATE, MOHR'S SALT, AMMONIUM IRON (II) SULFATE.

Appearance BLUE-GREEN SOLID

Odour ODOURLESS

Use(s) LABORATORY REAGENT.

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

Stock No. 464.

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 Low toxicity - irritant. This product may only present a hazard with direct eye contact, prolonged and repeated skin contact or with dust inhalation at high levels. Chronic effects are not anticipated.

Eye Irritant. Exposure may result in lacrimation, irritation, pain and redness.

Inhalation Low irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

Skin Low to moderate irritant. Prolonged/repeated contact may result in skin rash and dermatitis.

Ingestion Low toxicity. Ingestion may result in headache, nausea, vomiting, gastrointestinal irritation and diarrhoea.

PRECAUTIONS

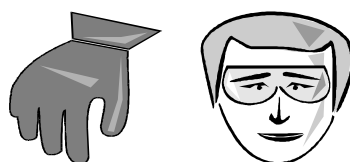
Flammability Non flammable. No fire or explosion hazard exists. Will evolve toxic sulfur/ nitrogen oxides and ammonia when heated to decomposition.

Reactivity Incompatible with oxidising agents (eg. potassium chlorate, sodium hypochlorite).

Ventilation Do not inhale dust/ powder. Use with adequate natural ventilation. Where a dust inhalation hazard exists, mechanical extraction ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

PPE Wear dust-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls. At high dust levels, wear a Class P1 (Particulate) Respirator.



Colour
Rating
GREEN

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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** If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

SAFE HANDLING

- Storage** Store tightly sealed in cool, dry, well ventilated area, removed from oxidising agents and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.
- Waste Disposal** Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer for additional information.
- Transport** Not regulated for transport purposes.

EMERGENCY

- Spillage** If spilt (bulk), wear dust-proof goggles, PVC/rubber gloves and a Class P1 (Particulate) respirator (where a dust inhalation risk exists). Ventilate spillage area. Collect and place in sealable containers for disposal. Avoid generating dust.
- Fire and Explosion** Non flammable. No fire or explosion hazard exists. Will evolve toxic sulfur/ nitrogen oxides and ammonia vapours when heated to decomposition.
- Extinguishing** Non flammable.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE
Boiling Point: NOT AVAILABLE
Exposure Standard: 1 mg/m³ Iron salts, soluble
pH: 3.0 - 5.0 (5 % solution)
Specific Gravity: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: 100 C
Evaporation Rate: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Solubility (water): 269 g/L @ 20 C
Upper Explosion Limit: NOT RELEVANT
Density: 1.86 g/mL @ 20 C