

Chem Alert Report

Product Name **AMMONIUM PERSULPHATE [FRONINE LAB SUPPLIES].**

Ingredient	Conc.	CAS No.
AMMONIUM PERSULFATE	100%	7727-54-0

Shipping CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
AMMONIUM PERSULFATE

Synonyms AMMONIUM PEROXYDISULFATE (VI), AMMONIUM PERSULPHATE, AMMONIUM PERSULPHATE [FRONINE LAB SUPPLIES], TECH 00005058 - MANUFACTURER'S CODE, UL 00000054 - MANUFACTURER'S CODE, AMM

Appearance WHITE CRYSTALS

Odour SLIGHT ODOUR

Use(s) ELECTROPLATING, BLEACHING AGENT, DYEING, OXIDISING AGENT, PHOTOGRAPHIC CHEMICAL.

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

Stock No. 387.

Poison Sched None Allocated

Hazchem 2W

UN No. 1444

D.G Class 5.1

Sub/Tert Risk None Allocated

Pkg Group III

EPG 5A1

HEALTH HAZARDS

Health Hazard Summary Moderately toxic - slightly corrosive. Over exposure can cause acute and chronic health effects. Avoid eye or skin contact and dust/powder generation - inhalation. Potential skin and respiratory sensitising agent. Individuals with impaired respiratory function are advised to avoid exposure.

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

Inhalation Irritant - slightly corrosive. Over exposure may result in irritation of the nose and throat, coughing with a burning sensation, breathing difficulties and pulmonary oedema. May cause "asthma like" symptoms with breathing difficulties. Potential respiratory sensitiser.

Skin Slightly corrosive - irritant. Prolonged contact with dust may result in itching, pain, redness, rash and sensitisation.

Ingestion Slightly corrosive. Ingestion may result in burns to the mouth and throat, nausea, vomiting and diarrhoea. Ingestion is not considered a likely exposure route.

PRECAUTIONS

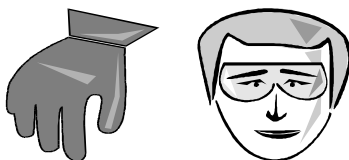
Flammability Oxidiser - will aid combustion, releasing oxygen. May evolve toxic sulfur oxides when heated to decomposition or in the presence of moisture.

Reactivity Oxidising agent. Incompatible with combustible material (eg. paper), reducing agents (eg. amines), acids, oxidising agents, powdered metals (eg. aluminium, magnesium) and heat sources.

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. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator. At high dust levels, wear an Air-line respirator or a Full-face Class P3 (Particulate) respirator.



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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.

SAFE HANDLING

- Storage** Store in cool, dry, well ventilated area, removed from combustible/ flammable materials, oxidising agents, acids, alkalis, reducing agents, powdered metals, heat sources and foodstuffs. Contamination with incompatibles may cause fires/ explosions. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.
- Waste Disposal** Wearing personal protective equipment, cover with a WEAK reducing agent (eg. sodium bisulfite, thiosulfate, or ferrous salt; but NOT sulfur, carbon or strong reducing agent). Mix well and spray with water. Add 3M sulfuric acid if sulfite or ferrous salt is used. Add to container of water and neutralise with soda ash. Collect and dispose of to approved landfill site. Contact the manufacturer for additional information.
- Transport** Class 5.1 Oxidising agent. Do not transport with chemicals of class; 1 (Explosives), 2.1/ 2.3 (Flammable/ Toxic gases), 3/ 4.1 (Flammable liquids/ solids), 4.2 (Spontaneously combustibles), 4.3 (Dangerous When Wet), 5.2 (Organic peroxides), 6 (Toxics), 7 (Radioactives), 8 (Corrosives), 9 (Miscellaneous) and foodstuffs.

EMERGENCY

- Spillage** If spilt (bulk), contact emergency services. Wear PVC/rubber gloves, a Full-face Class P3 (Particulate) respirator (where an inhalation risk exists), coveralls and boots. Eliminate ignition sources & clear area of all unprotected personnel. Collect without generating dust. Absorb with vermiculite or similar but NOT combustible or organic materials. Place in sealable CLEAN containers only. Only trained staff to perform cleanup.
- Fire and Explosion** Non flammable - aids combustion - oxidising agent. Evacuate area and contact emergency services. Toxic gases may be evolved when heated. 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.

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PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE	Flash Point: NOT RELEVANT
Boiling Point: NOT AVAILABLE	Melting Point: NOT AVAILABLE
Exposure Standard: 1 mg/m3 Manufacturer's recommendation	Evaporation Rate: NOT RELEVANT
pH: NOT AVAILABLE	% Volatiles: NOT AVAILABLE
Specific Gravity: 1.98	Solubility (water): 36 % (Approximately)
Vapour Pressure: NOT RELEVANT	Upper Explosion Limit: NOT RELEVANT
Lower Explosion Limit: NOT RELEVANT	Decomposition Temperature: 120 C