

Chem Alert Report

Product Name **DI-SODIUM HYDROGEN ORTHOPHOSPHATE.**

Ingredient	Conc.	CAS No.
DISODIUM HYDROGEN PHOSPHATE DODECAHYDRATE	100%	10039-32-4

Synonyms **NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**
BP 0004870 - PRODUCT CODE, DI-SODIUM HYDROGEN ORTHOPHOSPHATE, DISODIUM HYDROGEN PHOSPHATE DODECAHYDRATE, DI-SODIUM HYDROGEN ORTHOPHOSPHATE 12-HYDRATE.

Appearance COLOURLESS CRYSTALS

Odour SLIGHT ODOUR

Use(s) LABORATORY REAGENT, SEQUESTERANT, BUFFER, ANALYTICAL REAGENT.

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

Stock No. 421.

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. This product may only present a hazard with eye contact, prolonged and repeated skin contact or with dust inhalation at high levels.

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

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

Skin Low irritant. Prolonged contact may result in irritation.

Ingestion Low toxicity. With large doses ingestion may result in nausea, vomiting and gastrointestinal irritation. If large amounts are ingested, serious disturbances in calcium metabolism may result.

PRECAUTIONS

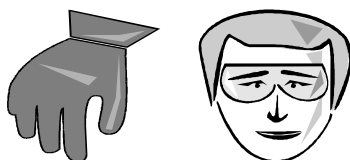
Flammability Non flammable. May evolve toxic gases (phosphorus oxides) when heated to decomposition.

Reactivity Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).

Ventilation Ensure adequate natural ventilation.

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.



Colour
Rating
GREEN

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FIRST AID

Eye Flush gently with running water. Seek medical attention if irritation develops.

Inhalation If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

Skin Gently flush affected areas with water.

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 oxidising agents, acids and foodstuffs. Ensure product is adequately labelled, protected from physical damage and sealed when not in use.

Waste Disposal 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.

Environment Phosphates are a plant and algae nutrient. If excess phosphates are released to soil or water, the ecological system may be disturbed causing algal blooms and resultant fish toxicity.

Fire and Explosion Non flammable. If product is present in a fire, toxic gases (phosphorus oxides) 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.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE	Flash Point: NOT RELEVANT
Boiling Point: NOT AVAILABLE	Melting Point: 35 C
Exposure Standard: 10 mg/m3 Manufacturer's recommendation	Evaporation Rate: NOT AVAILABLE
pH: NOT AVAILABLE	% Volatiles: NOT AVAILABLE
Specific Gravity: NOT AVAILABLE	Solubility (water): SOLUBLE
Vapour Pressure: NOT AVAILABLE	Upper Explosion Limit: NOT RELEVANT
Lower Explosion Limit: NOT RELEVANT	