

Chem Alert Report

Product Name **PH 4 BUFFER RED.**

Ingredient	Conc.	CAS No.
SODIUM AZIDE	<1%	26628-22-8
WATER	>60%	7732-18-5
POTASSIUM HYDROGEN PHTHALATE	<10%	877-24-7

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Synonyms	ASIA PACIFIC BUFFER SOLUTION PH 4.0, PH 4 BUFFER RED, PH 4.0 BUFFER SOLUTION, BUFFER SOLUTION PH 4.0 (APS CHEMICALS).		
Appearance	CLEAR COLOURLESS LIQUID		
Odour	SLIGHT ODOUR		
Use(s)	LABORATORY REAGENT, BUFFER SOLUTION, ANALYTICAL CHEMISTRY, BUFFER.		
Supplier	FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26		
Stock No.	80, 432, 433, 434.		
Poison Sched	None Allocated	Hazchem None Allocated	UN No. None Allocated
Pkg Group	None Allocated	EPG None Allocated	D.G Class None Allocated Sub/Tert Risk None Allocated

HEALTH HAZARDS

Health Hazard Summary Low toxicity - low irritant. Use safe work practices to avoid eye or skin contact and vapour inhalation. Due to the low vapour pressure of this product an inhalation hazard is not anticipated under normal conditions.

Eye Low irritant. Exposure may result in irritation and lacrimation.

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

Skin Low irritant. Prolonged and repeated contact with the skin may result in mild irritation.

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

PRECAUTIONS

Flammability Non flammable. No fire or explosion hazard exists.

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

Ventilation Ensure adequate natural ventilation.

PERSONAL PROTECTIVE EQUIPMENT

PPE Wear splash-proof goggles and PVC or rubber gloves. In a laboratory situation, wear a laboratory coat.



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. If swallowed, do not induce vomiting.

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 For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Transport Not regulated for transport purposes.

EMERGENCY

Spillage If spilt (bulk), wear splash-proof goggles and PVC/rubber gloves. Absorb spill with sand or similar and place in sealed containers for disposal. Wash spill site down with water. For small amounts, dilute with water and flush to sewer. Caution; surfaces may be slippery.

Fire and Explosion Non flammable. No fire or explosion hazard exists.

Extinguishing Non flammable.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE
Boiling Point: > 100 C
Exposure Standard: NOT AVAILABLE
pH: 4.0
Specific Gravity: 1.0
Vapour Pressure: 18 mm Hg @ 20 C
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: < 0 C
Evaporation Rate: AS FOR WATER
% Volatiles: > 60 % (Water)
Solubility (water): SOLUBLE
Upper Explosion Limit: NOT RELEVANT