

Chem Alert Report

Product Name **SODIUM HYPOCHLORITE 4% FRONINE LAB SUPPLIES.**

Ingredient	Conc.	CAS No.
SODIUM HYPOCHLORITE	4%	7681-52-9
SODIUM HYDROXIDE	<0.1%	1310-73-2
WATER	>60%	7732-18-5

Shipping CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
HYPOCHLORITE SOLUTION

Synonyms 4% BLEACH, CHEMSMART BLEACH (4%), SODIUM HYPOCHLORITE 4% FRONINE LAB SUPPLIES, BLEACH (4%).

Appearance CLEAR YELLOW LIQUID

Odour CHARACTERISTIC ODOUR

Use(s) CLEANING AGENT, SANITISER.

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

Stock No. 533.

Poison Sched 5

Hazchem 2X

UN No. 1791

D.G Class 8

Sub/Tert Risk None Allocated

Pkg Group III

EPG 8A1

HEALTH HAZARDS

Health Hazard Summary Corrosive. Avoid eye or skin contact and vapour inhalation. Over exposure to chlorine vapour may result in lung tissue damage. Do not mix with other chemicals unless advised and specific instructions provided, as toxic and irritating gases may be evolved. Use safe work practices to avoid over exposure. If diluted, the potential for corrosive effects will be reduced.

Eye Corrosive - irritant. Contact may result in pain, redness, corneal burns and ulceration with possible permanent damage.

Inhalation Corrosive - severe irritant. Over exposure may result in mucous membrane irritation, coughing, and later a burning sensation of the upper respiratory tract. At high levels; ulceration, breathing difficulties, chemical pneumonitis and pulmonary oedema.

Skin Corrosive - irritant. Contact may result in skin rash, dermatitis, blistering and burns. Prolonged contact may result in severe burns and ulceration.

Ingestion Corrosive - severe irritant - toxic. Ingestion may result in burns to the mouth and throat, with vomiting, ulceration and perforation of the gastrointestinal tract, breathing difficulties, circulatory collapse and coma.

PRECAUTIONS

Flammability Non flammable. May evolve highly toxic gases (chlorine) when heated to decomposition.

Reactivity Incompatible (sometimes violently) with oxidising agents (eg. peroxides), acids (especially hydrochloric - evolving chlorine gas), organic materials, reducing agents, metallic powders, amines, ammonia and heat sources.

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical extraction ventilation is recommended.

PERSONAL PROTECTIVE EQUIPMENT

PPE Wear coveralls, splash-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear a PVC apron and rubber boots. Where an inhalation risk exists, wear a Full-face Type B (Inorganic and Acid gas) 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** Leave area of exposure immediately. If symptoms occur, seek urgent medical attention. If assisting a victim avoid becoming a casualty, wear a Full-face Type B (Inorganic and acid gas) respirator or Air-line respirator (in poorly ventilated areas). If victim is not breathing apply artificial respiration.
- 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 in cool, dry, well ventilated area, removed from direct sunlight, oxidising agents, acids, reducing agents, organic materials, amines, ammonia, metals, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage, sealed when not in use, vented & stored upright. Check regularly for spills. Large storage areas should have appropriate ventilation systems.
- Waste Disposal** Add to a large volume of reducing solution (eg thiosulfate, metabisulfite, but not carbon, sulfur or strong reducer) and acidify with 3M sulfuric acid. When reduction is complete, add mixture to water and neutralise. Absorb with sand or similar non-combustible material and dispose of to an approved landfill site. Contact the manufacturer for additional information.
- Transport** Class 8 Corrosive. Do not transport with chemicals of class; 1 (Explosives), 4.3 (Dangerous When Wet), 5.1 (Oxidising agents), 5.2 (Organic peroxides), 6 (Toxics - where the Toxic is a cyanide and the Corrosive is an acid), 7 (Radioactives), 8 (where products are acid/alkali) and foodstuffs.

EMERGENCY

- Spillage** If spilt (bulk), contact emergency services. Wear a faceshield, coveralls, PVC/rubber gloves, apron and boots. Where an inhalation risk exists wear a Type B (Inorganic and acid gas) respirator. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar non-combustible material, collect and place in sealable containers for disposal.
- Environment** ATMOSPHERE: May release toxic chlorine gas. WATER: Hypochlorites are extremely toxic to fish; Exposure to 0.5 % over 96 hours resulted in death of trout. SOIL: May leach to groundwater with resultant toxicity to aquatic organisms. Hypochlorites are non-persistent in the environment and there is no accumulation potential as they gradually decompose into a salt and oxygen.
- Fire and Explosion** Non flammable. Evacuate area and contact emergency services. Toxic gases (chlorine) may be evolved. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) 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
Boiling Point: NOT AVAILABLE
Exposure Standard: 1 ppm Chlorine
pH: ALKALINE
Specific Gravity: 1.2
Vapour Pressure: NOT AVAILABLE
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Solubility (water): SOLUBLE
Upper Explosion Limit: NOT RELEVANT