

# Chem Alert Report

Product Name **CALCIUM CHLORIDE [FRONINE LAB SUPPLIES].**

Ingredient	Conc.	CAS No.
CALCIUM CHLORIDE ANHYDROUS	100%	10043-52-4

**Synonyms** CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA  
CALCIUM (II) CHLORIDE, CALCIUM CHLORIDE (FORMERLY), CALCIUM CHLORIDE 0.025M, CALCIUM CHLORIDE [FRONINE LAB SUPPLIES], FOOD 00004819 - MANUFACTURER'S CODE, HTH CALCIUM PLUS, PO

**Appearance** WHITE DELIQUESCENT CRYSTALS, GRANULES, FLAKES OR LUMPS

**Odour** ODOURLESS

**Use(s)** LABORATORY REAGENT, SEQUESTERANT, DRYING AGENT, PAPER INDUSTRY.

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

**Stock No.** 156.

**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 to moderate toxicity - irritant. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and dust inhalation - generation.

**Eye** Irritant. Exposure may result in lacrimation, irritation, pain, redness, conjunctivitis and possible corneal burns with prolonged contact.

**Inhalation** Irritant. Over exposure may result in upper respiratory tract irritation and coughing. However, under normal conditions of use adverse health effects via inhalation are not anticipated.

**Skin** Irritant. Contact may result in irritation, itching, redness, skin rash, and with prolonged contact possible skin burns.

**Ingestion** Low to moderate toxicity. Ingestion may result in gastrointestinal irritation, burns to the mouth and throat, nausea, vomiting, abdominal pain, diarrhoea and haemorrhage.

## PRECAUTIONS

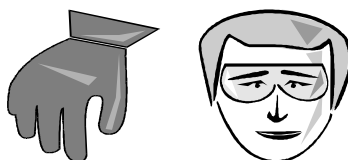
**Flammability** Non flammable. No fire or explosion hazard exists. However, may evolve toxic gases (chlorides) when heated to decomposition.

**Reactivity** Incompatible with acids (eg. sulfuric acid), methyl vinyl ether, zinc/ galvanised metals, bromine trifluoride, boron oxide and calcium oxide.

**Ventilation** Do not inhale dusts. Use in well ventilated areas - open doors and windows. In poorly ventilated areas, mechanical extraction ventilation at source 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.



Colour  
Rating  
**AMBER**

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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 in cool, dry, well ventilated area, removed from acids (eg. sulfuric acid), methyl vinyl ether, zinc/ galvanised metals, bromine trifluoride, boron oxide, calcium oxide, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
- Waste Disposal** Ensure product is covered with moist soil to prevent dust generation and dispose of to approved Council landfill. Contact the manufacturer if additional information is required.
- Transport** Not regulated for transport purposes.

## EMERGENCY

- Spillage** If spilt (bulk), contact emergency services if appropriate. Wear dust-proof goggles, PVC/rubber gloves, a Class P1 (Particulate) respirator (where an inhalation risk exists), coveralls and rubber boots. Clear area of all unprotected personnel. Prevent spill entering drains or waterways. Collect and place in sealable containers for disposal or reuse. Avoid generating dust.
- Fire and Explosion** Non flammable. If product is present in a fire, toxic gases 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. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Flammability:</b> NON FLAMMABLE	<b>Flash Point:</b> NOT RELEVANT
<b>Boiling Point:</b> > 1600 C	<b>Melting Point:</b> 772 C
<b>Exposure Standard:</b> 10 mg/m3 Manufacturer's recommendation	<b>Evaporation Rate:</b> NOT RELEVANT
<b>pH:</b> 4.5 - 8.5	<b>% Volatiles:</b> NOT AVAILABLE
<b>Specific Gravity:</b> 2.15	<b>Solubility (water):</b> SOLUBLE
<b>Vapour Pressure:</b> NOT AVAILABLE	<b>Upper Explosion Limit:</b> NOT RELEVANT
<b>Lower Explosion Limit:</b> NOT RELEVANT	