

Chem Alert Report

Product Name **BORIC ACID [FRONINE LAB SUPPLIES].**

Ingredient
BORIC ACID

Conc. 100%
CAS No. 10043-35-3

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

Synonyms AR 00000101 - MANUFACTURER'S CODE, BORACIC ACID, BORIC ACID CRYST, BORIC ACID GRANULAR, BORIC ACID PDR, BORIC ACID [FRONINE LAB SUPPLIES], BP 00004219 - MANUFACTURER'S CODE, ORTHOB
Appearance WHITE CRYSTALS OR POWDER
Odour ODOURLESS
Use(s) INSECTICIDE, LABORATORY REAGENT, LABORATORY APPLICATIONS, MANUFACTURING, INDUSTRIAL APP
Supplier FRONINE LABORATORY SUPPLIES Ph: 02 9627 3600 Emerg. Ph: 13 11 26
Stock No. 420.
Poison Sched 5
Pkg Group None Allocated
Hazchem None Allocated
UN No. None Allocated
D.G Class None Allocated
Sub/Tert Risk None Allocated
EPG None Allocated

HEALTH HAZARDS

Health Hazard Summary Low to moderate toxicity - irritant. Over exposure to dust should be avoided. Use safe work practices to avoid eye or prolonged skin contact and dust generation or inhalation. Chronic over exposure to borates may cause skin rash, bronchitis and kidney damage.

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 mucous membrane and upper respiratory tract irritation with breathing difficulties and nasal inflammation - bleeding. Chronic exposure may cause bronchitis.

Skin Irritant. Contact may result in itching, pain, redness and skin rash. Toxic effects reported through skin absorption.

Ingestion Low to moderate toxicity. Ingestion may result in nausea, vomiting, diarrhoea, skin rash and abdominal pain. Ingestion of large quantities may cause kidney damage, however due to product form, ingestion is considered unlikely.

PRECAUTIONS

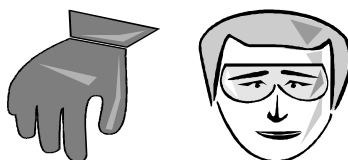
Flammability Non flammable. No fire or explosion hazard exists.

Reactivity Incompatible with acids (eg. nitric acid), oxidising agents, alkalis, fluorine, alkaloidal and metallic salts.

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. At high dust levels, wear a Powered Air Purifying Respirator (PAPR) with Class P3 (Particulate) filter or a Full-face Class P3 (Particulate) respirator.



Colour
Rating
AMBER

Chem Alert Report

Product Name **BORIC ACID [FRONINE LAB SUPPLIES].**

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 oxidising agents, acids, alkalis, halogens, heat & ignition sources 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), 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.
- Environment** If released to water, borates may be taken up by plants with toxic effects. Borates are toxic to plants at low levels (eg above 0.001 ppm for sodium borate, 0.5 ppm for boric acid). Calcium may precipitate out some of the borate, but this process will not significantly reduce toxicity to plants. Borates may be toxic to fish above 3000 ppm.
- 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.

PHYSICAL AND CHEMICAL PROPERTIES

Flammability: NON FLAMMABLE
Boiling Point: NOT AVAILABLE
Exposure Standard: NOT AVAILABLE
pH: 5.1 (0.1 M solution)
Specific Gravity: 1.435
Vapour Pressure: NOT AVAILABLE
Lower Explosion Limit: NOT RELEVANT

Flash Point: NOT RELEVANT
Melting Point: 185 C
Evaporation Rate: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Solubility (water): SOLUBLE
Upper Explosion Limit: NOT RELEVANT