

DATASHEET

PRODUCT NAME: POOL TREAT POOL KEEP

IDENTIFICATION

Product Name: WINTERISER/ ALGAECIDE
Other Names: Benzalkonium Chloride Pool Treat Pool Keep
Product Code: PPK
Uses: Kills and Prevents Algae in Pool Water.
Distributor: Poolcare Ltd, 54a Hewletts Road, Mt Maunganui, Tauranga. Phone - 07 5758471

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

HAZARD IDENTIFICATION

DANGER

Keep out of reach of children

Read label and SDS thoroughly before use.

HSNO Classifications: 6.1C, 6.5A, 6.5B, 8.2C, 8.3A, 9.1B

Transport: Class 8 - Corrosive

Hazard Statements: Toxic if swallowed; Respiratory and skin sensitizer; Corrosive to skin; May cause serious damage to eyes; Toxic to aquatic life.

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Benzalkonium Chloride	8001-54-5	50

FIRST AID MEASURES

If swallowed: Immediately call Poisons Centre (0800 764766) or a Doctor. Rinse mouth. IF conscious, give 3-4 glasses of milk (or if unavailable, water). Do NOT induce vomiting.

If on skin: Remove contaminated clothing. Wash affected area thoroughly with soap and water.

If inhaled: If safe to do so, remove from exposure, give artificial respiration if required. Seek medical attention immediately.

If in eyes: Immediately rinse eyes with running water for at least 15 minutes. Seek medical attention immediately.

Note to Physician: Probable mucosal damage may contraindicate use of gastric lavage. Single use of activated charcoal is the recommended gastrointestinal decontamination procedure – Adult: 50-100g, Child: 1-2 g/kg.

SYMPTOMS AND EFFECTS, ACUTE AND DELAYED, FROM EXPOSURE

Ingestion: Toxic if swallowed.

Skin contact: Corrosive.

Inhalation: Irritating if inhaled.

Eye contact: Corrosive.

FIRE FIGHTING MEASURES

Extinguishing media: All suitable.

Specific hazards: Products of combustion: Toxic organic vapours, amines, oxides of carbon and nitrogen & hydrogen chloride.

Special protective precautions & equipment: Safety glasses/goggles; PVC Gloves; Protective clothing, PVC apron and boots; Respiratory protection.

ACCIDENTAL RELEASE MEASURES

Emergency procedures: Wear appropriate protective equipment and respirator where mists or vapours of unknown concentrations may be generated. Do not allow the product to enter drains, sewers or waterways. Remove leaking containers to a detached area.

Methods & materials for containment and clean up: Bund spill area and recover – consider recycling. Absorb spilled product with inert material (e.g. sand, earth etc.) and dispose of this material through an approved waste disposal provider. Clean equipment with water. NOTE: Area will be slippery after spillage. Rinse thoroughly.

HANDLING & STORAGE

Handling advice: Avoid eye contact. Wear chemical type goggles or safety glasses. Wear PVC gloves and protective clothing. Wash thoroughly after handling. DO NOT eat, drink or smoke while using this product.

Storage advice: Do not contaminate drinking water, food or feed by storage or disposal. Store locked up.

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EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure standards: Not listed on the Department of Labour Workplace Exposure Standards for Atmospheric Contaminants.

Engineering controls: Ventilation: In processes where mists or vapours may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Personal protective equipment: Safety glasses/goggles; PVC Gloves; Protective clothing, PVC apron and boots; Respiratory protection.

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colourless to pale yellow liquid.
Odour: Slight almond.
Specific Gravity: 0.98g/mL @20°C
Solubility: Soluble.
Flash point: Not flammable.
Flammability limits: N/A
Boiling point: 100°C
Melting point: N/A
pH: 8.0

STABILITY & REACTIVITY

Stability: Stable under normal operating conditions.

Hazardous decomposition products: Toxic organic vapours/fumes, amines, carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride.

Conditions to avoid: Avoid contact with strong oxidising/reducing agents.

TOXICOLOGICAL INFORMATION

Toxicity data:

Acute oral toxicity (rat) LD50: 680 – 1050mg/kg
 Acute dermal toxicity (rabbit) LD50: 3418mg/kg
 Skin irritation severe irritant (rabbit): 80% active soln. 72 hours not reversed.
 (rat): 6-10% repeated exposures 2 weeks.
 Eye irritation severe irritant (rabbit): 80% active caused irritation that did not clear by day 3 post dose.
 Sensitisation: May cause skin and respiratory sensitisation.
 Reproductive toxicity (rat): Not tetratogenic.
 (rat): 2nd generation study – no neonatal/parental effects at 1000ppm, observed at 2000ppm.

ECOLOGICAL INFORMATION

Ecotoxicity (Aquatic & Terrestrial):

LC50 Bluegill sunfish: 2.35ppm 96 hours (for closely related 80% product)

LC50 Rainbow trout: 7.8ppm 96 hours (for closely related 80% product)

LC50 Bobwhite quail: 2700ppm 8 days (for closely related 80% product)

LC50 Mallard Duck: >4500ppm 8 days (for closely related 80% product)

Persistence & degradability: Biodegradable in concentrations below 20ppm.

DISPOSAL CONSIDERATIONS

Dispose of waste to an approved waste disposal facility. Do not release to the environment.

Disposal of empty container: Triple rinse then send drum to recycling facility.

TRANSPORT INFORMATION

UN Number: 1903

Proper Shipping name: Disinfectants, Liquid, Corrosive N.O.S.

Dangerous Goods Class: Class 8 - Corrosive

Packing group: III

Hazchem Code: 2X

REGULATORY INFORMATION

HSNO Classifications: 6.1C, 6.5A, 6.5B, 8.2C, 8.3A, 9.1B

OTHER INFORMATION

End of SDS.