



SAFETY DATA SHEET

PRODUCT NAME: POOL-TREAT BLACK STOP

September 18

IDENTIFICATION

Product Name: Pool-Treat Black Stop
Other Names: None
Product Code: PBS1
Uses: To treat black spot algae, mainly in plaster surfaced swimming pools
Restrictions: None

Supplier: HamChem Hamilton Chemicals Ltd, 75 Ruffell Rd, Hamilton
Phone: 07 974 4971 Email: info@hamchem.nz Web: www.hamchem.nz

- 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



Signal Word: DANGER

Hazard statements

H226 Flammable liquid and vapour.
H302 + H332 Harmful if swallowed or if inhaled
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.

Precautionary statements

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/face protection.

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Response

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTRE/Doctor if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTRE/Doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362 Take off contaminated clothing and wash before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Dimethyldioctylammonium chloride	5538-94-3	80.00
Ethanol	64-17-5	10.00
Water	7732-18-5	10.00

FIRST AID MEASURES

If swallowed: Do not induce vomiting without medical advice. Immediately give large quantities of water to drink. Call a Doctor/Physician immediately. Never give anything by mouth to an unconscious person.

If on skin: After contact with skin, wash immediately with plenty of soap and water. If skin irritation persists, call a Doctor/Physician.

If inhaled: Remove person to fresh air. Get medical attention immediately if irritation develops and persists.

If in eyes: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

FIRE FIGHTING MEASURES

Extinguishing media: Dry powder, Water Spray, Foam

Specific hazards: Heating or fire can release toxic gas.

Protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Additional advice: Use water spray to cool unopened containers.

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ACCIDENTAL RELEASE MEASURES

Protective measures: Use respirator when performing operations involving potential exposure to vapour of the product.

Clean up methods: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

Additional advice: Do not flush into surface water or sanitary sewer system.

HANDLING & STORAGE

Procedure for handling: Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

Store incompatibility: Keep away from food, drink and food stuffs.

Storage requirements: To maintain product quality, do not store in heat or direct sunlight. Keep containers tightly closed in a cool, well-ventilated place. Recommended storage temperature: < 60 °C

EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure standards:

NZ Workplace Exposure Standards have been set for this substance:

Ethanol WES – STEL = 1 mg/m³; WES – REL = 1-1.9mg/m³;
WES – PEL = 1-1.9mg/m³; WES – TWA = 1-1.9mg/m³

Hazardous components without workplace control parameters:

Dimethyldioctylammonium chloride

Personal protective equipment:

Respiratory protection: In the case of vapour formation use a respirator with an approved filter. Hand protection: Material: Nitrile rubber. Rate of permeability: > 480 min. Eye protection: Tightly fitting safety goggles. Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required. Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

PHYSICAL & CHEMICAL PROPERTIES

Colour:	Pink liquid
Odour:	Alcohol-like
Odour Threshold:	No data available
pH:	6.5 - 9.0, Concentration: 100 g/l (25 °C)
Melting point/range:	-16.7 °C
Boiling point/boiling range:	No data available
Flash point:	42 °C
Method:	Setaflash Closed Tester (ASTM D3278), closed cup
Evaporation rate:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available

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Relative vapour density: No data available
Relative density: No data available
Density: 0.90 g/cm³ (25 °C)
Bulk density: Not applicable
Water solubility: Soluble
Partition coefficient: Noctanol/water: no data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, dynamic: < 100 mPa.s (25 °C)
Viscosity, kinematic: No data available

STABILITY & REACTIVITY

Stability: Stable under normal conditions

Hazardous decomposition products: Hydrogen chloride gas; Nitrogen oxides (NO_x); Carbon oxides

Hazardous polymerization: No data available

Incompatibles: Strong oxidizing agents, Reducing agents

Conditions to avoid: No data available

TOXICOLOGICAL INFORMATION

Acute toxicity: Acute oral toxicity (LD50): 375 mg/kg Species: Mouse. Acute inhalation toxicity: 10 mg/l 50% active. Species: Rat. Exposure time: 1 h. Acute dermal toxicity (LD50): 259 mg/kg. Species: Rabbit

Skin corrosion/irritation: Skin irritation: Corrosive. Species: Rabbit. Method: DOT

Serious eye damage/eye irritation: Eye irritation: severe irritant. Species: Rabbit

IARC: Human carcinogen. Ethanol 64-17-5

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH: Confirmed animal carcinogen with unknown relevance to humans. Ethanol 64-17-5

Further information: Remarks: The toxicological data has been taken from products of similar composition.

ECOLOGICAL INFORMATION

Ecotoxicity (Aquatic & Terrestrial):

Toxicity to fish (LC50): Species: *Oncorhynchus mykiss* (rainbow trout)
Exposure time: 96 h

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Toxicity to fish (LC50)
Species: Lepomis macrochirus (Bluegill sunfish)
Exposure time: 48 h

Toxicity to terrestrial organisms: LD50(Anas platyrhynchos (Mallard duck)): 240 mg/kg
End point: Acute toxicity

LC50(Colinus virginianus (Bobwhite quail)): 2,625 mg/kg
Exposure time: 8 d
End point: Subacute toxicity

LC50(Anas platyrhynchos (Mallard duck)): > 5,000 mg/kg
End point: Subacute toxicity

Persistence & degradability: Biodegradability: Remarks: no data available

Bioaccumulative potential: Bioaccumulation: Remarks: no data available

Mobility in soil: Distribution among environmental compartments: Remarks: no data available

Other adverse effects: Results of PBT and vPvB assessment: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Ozone-Depletion Potential: Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: Information given is based on data on the components and the ecotoxicology of similar products.

The following ecotoxicological data refer to:
Dimethyldioctylammonium chloride

Ecotoxicity

Toxicity to fish (LC50): 0.35 mg/l
Species: Oncorhynchus mykiss (rainbow trout)
Acute toxicity
Exposure time: 96 h
Analytical monitoring: no
Method: US-EPA
GLP: no

Toxicity to fish 0.55 mg/l
Species: Lepomis macrochirus (Bluegill sunfish)
Acute toxicity
Exposure time: 48 h
Analytical monitoring: no
Method: US-EPA
GLP: no

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Toxicity to terrestrial organisms: LC50 (Anas platyrhynchos (Mallard duck)): > 2,500ppm
Exposure time: 8 d
End point: Subacute toxicity
GLP: no

LC50 (Colinus virginianus (Bobwhite quail)): 1,300 ppm
Exposure time: 8 d
End point: Subacute toxicity
GLP: no

Persistence and degradability

Biodegradability: Test Type: OECD Confirmatory Test
Concentration: 0.6 mg/l
Biodegradation: > 89 %
Exposure time: 10 - 51 d
Method: OECD Test Guideline 303 A
GLP: no

Bio accumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

DISPOSAL CONSIDERATIONS

Waste from residues: Dispose of in accordance with local regulations. Contact waste disposal services.

Contaminated packaging: Dispose of as unused product. Do not burn, or use a cutting torch on, the empty drum.

TRANSPORT INFORMATION

UN Number: 2920
UN Proper Shipping name: Corrosive liquid, flammable, N.O.S
(Dioctyldimethylammoniumchloride, Ethanol)
Dangerous Goods Class: 8 - Corrosive
UN Packing group: II
Hazchem Code: 3W
Special precautions: Emergency Response Guidebook Number: 153
Environmental hazards: no

REGULATORY INFORMATION

HSNO Approval number: HSR002529 – Cleaning Products, Flammable, Corrosive Group Standard
HSNO Classifications: 3.1C, 6.1C, 6.1D, 8.2B

OTHER INFORMATION

End of SDS.

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