



SAFETY DATA SHEET

PRODUCT NAME: POOL TREAT STAIN OUT

July 19

IDENTIFICATION

Product Name: Pool Treat Stain Out
Other Names: Hydroxy Propane Tricarboxylic Acid
Product Code: PSO1
Uses: Component acidulant in beverages, confectionary, effervescent salts, in pharmaceutical syrups, medicines, in effervescent powders and tablets. Used to adjust pH of foods and as synergistic antioxidant. Used in beverages, jellies, jams, preserves and candy to provide tartness. Manufacture of citrate salts. In processing of cheese. In electroplating. As sequestering agent to remove trace metals. As mordant to brighten colours. In analytical chemistry as reagent for albumin, mucin, glucose. Food Additive 330.

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

DANGER

Keep out of reach of children
Read label and SDS thoroughly before use.

Hazard Statements: May be harmful if swallowed. Causes mild skin irritation. Causes serious eye damage.

Precautions: Wear protective clothing/gloves. Wear face/eye protection.

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Hydroxy Propane Tricarboxylic Acid	77-92-9	>98

FIRST AID MEASURES

If swallowed: Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

If on skin: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

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If inhaled: If fumes or combustion products are inhaled remove from the contaminated area. Other measures are usually unnecessary.

If in eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after injury should only be undertaken by skilled personnel.

Note to Physician: Treat symptomatically. Simple antacid powders should be used in the case of ingestion.

FIRE FIGHTING MEASURES

Extinguishing media: Water spray or fog; foam; dry chemical powder; BCF (where regulations permit); carbon dioxide.

Specific hazards: Combustible solid which burns but propagates flame with difficulty. Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with the air, and any source of ignition, i.e. flame or spark, will cause fire or explosion. Dust clouds generated by the fine grinding of the solid are a particular hazard; accumulations of fine dust may burn rapidly and fiercely if ignited. Dry dust can be charged electrostatically by turbulence, pneumatic transport, pouring, in exhaust ducts and during transport. Build up of electrostatic charge may be prevented by bonding and grounding. Power handling equipment such as dust collectors, dryers and mills may require additional protection measures such as explosion venting. All moveable parts coming into contact with this material should have a speed of less than 1 metre/sec. Combustion products include: carbon monoxide, carbon dioxide, and other pyrolysis products typical of burning organic material. May emit poisonous fumes and corrosive fumes.

Special protective precautions & equipment: Gloves, boots (chemical resistant), safety glasses.

ACCIDENTAL RELEASE MEASURES

Emergency procedures: CAUTION: advise personal in the area. Remove all ignition sources. Alert emergency services and tell them location and nature of hazard. Control personal contact by using protective equipment. Prevent, by any means available, spillage from entering drains or water courses. Recover product wherever possible.

Methods & materials for containment and clean up: IF DRY: Use dry clean up procedures and avoid generating dust. Collect residues and place in sealed plastic bags or other containers for disposal. IF WET: Vacuum/shovel up and place in labeled containers for disposal. ALWAYS: Wash area down with large amounts of water and prevent run off into drains. If contamination of drains or waterways occurs, advise emergency services.

HANDLING & STORAGE

Handling advice: Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. Do NOT enter confined space until atmosphere has been checked. Do NOT allow material to contact humans, exposed food or utensils. Avoid contact with incompatible materials. When handling, Do NOT eat, drink or smoke. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storing and handling recommendations. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

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Storage advice: Keep containers securely sealed when not in use. Avoid physical damage to containers. Store in polyethylene or polypropylene container. Check all containers are clearly labeled and free from leaks. Observe manufacturer's storing and handling recommendations.

EXPOSURE CONTROLS & PERSONAL PROTECTION
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Exposure standards: No exposure limits.

Engineering controls: Ventilation system – a system of local and/or general exhaust is recommended to keep employee exposures as low as possible.

Personal protective equipment: Personal respirators, Skin protection, Eye protection.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White crystals, granules or powder.
Odour:	Odourless.
Specific Gravity:	1.67 @ 20°C
Solubility in water:	Miscible (in water @ 20°C: 59.2g/100ml)
Flash point:	1000-1020°C
Flammability limits:	LEL = .28kg/m ³ UEL = 2.29kg/m ³
Boiling point:	Decomposes
Melting point:	153°C
pH:	1.6 (10% solution)

STABILITY & REACTIVITY

Stability: Product is considered stable.

Hazardous polymerization: Will not occur.

Incompatibles: Avoid potassium tartrate, alkali and alkaline earth carbonates and bicarbonates, acetates, sulfides and metal nitrates. Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

TOXICOLOGICAL INFORMATION

Toxicity data:	Oral (rat) LD ₅₀ :	3000mg/kg
Irritation:	Skin (rabbit): 500mg/24h – Mild	
	Skin (rabbit): 0.75mg/24h - SEVERE	

ECOLOGICAL INFORMATION

Ecotoxicity (Aquatic & Terrestrial):	Fish: LC ₅₀ > 100mg/L;
	Algae LC ₅₀ = 80mg/L (72hr.);

DISPOSAL CONSIDERATIONS

Recycle wherever possible. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill. Containers may still present a chemical hazard/danger when empty. If a container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, and then puncture containers, to prevent re-use, and bury at an

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authorised landfill. Contact appropriate Waste Management Company for guidance and disposal options in your area. Where possible retain label warnings and SDS and observe all notices pertaining to the product.

TRANSPORT INFORMATION

Not regulated for transport of dangerous goods.

REGULATORY INFORMATION

HSNO Classifications: 6.1E, 6.3B, 8.3A

OTHER INFORMATION

Key to abbreviations:

End of SDS.