

# SAFETY DATA SHEET

**PRODUCT NAME:** POOL TREAT GUARD PLUS

Issue Date: May 23

## IDENTIFICATION

**Product Name:** Pool Treat Guard Plus  
**Other Names:** Pool Treat Pool Guard Plus, Algaecide  
**Product Code:** PPG1, PPG2, PPG20  
**Uses:** To help inhibit algae from growing in swimming pool. 'Winteriser' for swimming pools.  
**Supplier:** HamChem Hamilton Chemicals Ltd, 75 Ruffell Rd, Hamilton  
Phone: 07 974 4971 Web: [www.hamchem.nz](http://www.hamchem.nz) Email: [info@hamchem.nz](mailto: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



### GHS Classifications

Skin Irritation – Category 2  
Serious Eye Damage – Category 1  
Skin Sensitisation – Category 1  
Specific Target Organ Toxicity (Repeated Exposure) – Category 2  
Hazardous to the Aquatic Environment (Acute) – Category 1  
Hazardous to the Aquatic Environment (Chronic) – Category 1

**Signal Word:** DANGER

### Hazard Statements:

H315 – Causes skin irritation  
H318 – Causes serious eye irritation  
H317 – May cause an allergic skin reaction  
H373 – May cause damage to organs through prolonged and repeated exposure  
H410 – Very toxic to aquatic life  
H411 – Toxic to aquatic life with long-lasting effects

### Prevention:

P264 – Wash hands thoroughly after handling  
P280 – Wear protective gloves/clothing and eye/face protection  
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray  
P272 – Contaminated clothing should not be allowed out of the workplace  
P273 – Avoid release to the environment

### Response:

P302 + P352 – IF ON SKIN: Wash with plenty of water.  
P332 + P313 – If skin irritation occurs: Get medical advice/attention  
P362 + P364 – Take off contaminated clothing and wash it before reuse

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HamChem Ltd, 75 Ruffell Rd, Hamilton, New Zealand. Phone 07 974 4971 E-Mail - [info@hamchem.nz](mailto:info@hamchem.nz) Web - [www.hamchem.nz](http://www.hamchem.nz)

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

P310 – Immediately call a POISON CENTRE or Doctor

P314 – Get medical advice/attention if you feel unwell

**Disposal:**

P501 – Dispose of contents/container to an approved waste facility in accordance with local regulations

**COMPOSITION & INFORMATION ON INGREDIENTS**

<b>Chemical Entity</b>	<b>CAS No.</b>	<b>Proportion (%)</b>
Copper Sulphate, Pentahydrate	7758-99-8	<15%
Organic quaternary ammonium	25988-97-0	<15%
Inorganic Acid	2809-21-4	<10%

**FIRST AID MEASURES**

**National Poisons Centre – 0800 POISON (764 766)**

**If swallowed:** Rinse mouth. Call a Poison Centre or Doctor if you feel unwell.

**If on skin:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**If inhaled:** Remove person from area and place in fresh air. Call a Poison Centre or Doctor if you feel unwell.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Seek immediate medical attention.

**FIRE FIGHTING MEASURES****Extinguishing media:**

Small fire: Use dry chemical, carbon dioxide, water spray or foam.

Large fire: Use water spray, fog or foam.

If safe to do so, remove undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out.

**Specific hazards:** May burn but not ignite readily. Runoff may pollute waterways. May produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.

**Special protective precautions & equipment:** When a large quantity of this material is involved in a major fire, consider initial evacuation for 100m in all directions. Wear self contained breathing apparatus and structural firefighter's uniform.

**ACCIDENTAL RELEASE MEASURES**

**Emergency procedures:** Spill or leak area should be isolated immediately for at least 10m in all directions. Keep unauthorized personnel away. Keep upwind and to higher ground. Runoff may pollute waterways.

**Methods & materials for containment and clean up:** Do not walk through or touch spilled material. Stop leak if safe to do so. Prevent entry into waterways, drains or confined areas. Water spray may be used to knock down or divert vapour clouds. Sweep up or vacuum up spillage and collect in suitable labeled container(s) for disposal.

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### HANDLING & STORAGE

**Handling advice:** Wear suitable protective clothing (overalls, gloves, safety glasses)

**Storage advice:** Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

### EXPOSURE CONTROLS & PERSONAL PROTECTION

**Exposure standards:** Worksafe NZ have set the following WES standards (April 2022)

Copper: TWA: 0.01mg/m<sup>3</sup>

**Personal protective equipment:** Eye/face protection, overalls and gloves.

### PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** Green to blue coloured liquid  
**Specific Gravity:** 1.18  
**Solubility in water:** Soluble in water  
**Flash point:** N/A  
**Flammability limits:** N/A  
**Boiling point:** ~100°C  
**Melting point:** N/A  
**pH:** 2 – 3

### STABILITY & REACTIVITY

**Stability:** Stable under normal operating conditions.  
**Hazardous decomposition products:** May release poisonous fumes when heated.  
**Hazardous polymerization:** Will not occur.  
**Incompatibles:** May react with some metals and alkalis.  
**Conditions to avoid:** Excessive heat.

### TOXICOLOGICAL INFORMATION

**Toxicity data:**  
Oral: >1500mg/kg (rat) LD<sub>50</sub>  
Dermal: >2000mg/kg (rat) LD<sub>50</sub>

### ECOLOGICAL INFORMATION

**Ecotoxicity (Aquatic & Terrestrial):** Aquatic: <1mg/L (fish) LC<sub>50</sub>

**Persistence & degradability:** Products of degradation are less toxic than the product.

**Bioaccumulative potential:** Biodegradable.

**Mobility in soil:** If released to soil, the copper sulphate may leach to groundwater, be partly oxidised, or bind to humic materials, clay or hydrous iron and manganese. Copper is accumulated by plants and animals, but does not appear to magnify from plants to animals.

### DISPOSAL CONSIDERATIONS

Return to place of purchase for disposal. Be sure to consult with local authorities. Waste must be disposed of in accordance with local environmental control regulations.

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**Contaminated packaging:** Where possible recycling is preferred to disposal or incineration of washed out containers.

**TRANSPORT INFORMATION**

Not classified as Dangerous Goods for transport (NZS5433)

**REGULATORY INFORMATION**

**HSNO Classifications:** 6.3A, 8.3A, 6.5B, 6.9B, 9.1A

**EPA Approval:** HSR002684 – Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020

**OTHER INFORMATION**

**Key to abbreviations:**

**End of SDS.**