

Safety Data Sheet - Hotzone

Revision date; July 2020

Section 1 - Product Identifier and chemical identity

Product names:	Hotzone
Product use:	Treatment of algae in swimming pool water
Product codes:	Hot01, Hot05, Hot20
Supplier details:	Algon (NZ) Ltd Pty Ltd, Ph +64 9 529 0523
Emergency contact details	National Poisons Centre (24 hrs) 0800 764 766

Section 2 - Hazard Identification

Hazardous Classification: Classified as hazardous according to the Hazardous Substances and New Organisms Act 1996



GHS Signal Word: None

Hazard Statements: H412: Harmful to aquatic life with long lasting effects. - 9.1 C

Precautionary Statements:

PREVENTION

P102: Keep out of reach of children.
P103: Read label before use
P273: Avoid release into the environment.

RESPONSE

P101: If medical advice is needed, have product container or label at hand.

STORAGE

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DISPOSAL

P501: Dispose of contents/container in accordance with local/regional/national regulations

Section 3 - Composition

Ingredients	CAS #	Concentration
Copper Sulfate	7758-98-7	<1%
Water and other non-hazardous ingredients	N/A	to 100%

Section 4 – First Aid

If you suspect that you have been poisoned or irritated by this product, you should call the Poisons Information Centre on 0800 764 766 (in NZ). Make sure you have this SDS available when you call. First aid measures vary according to routes of exposure.

- Ingestion:** If product is swallowed, rinse out mouth with water. Do not induce vomiting, but drink plenty of water. Do not give anything by mouth to an unconscious person.
- Eye contact:** In the event of contact, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Skin contact:** Remove contaminated clothing, and wash affected areas with soap and water for several minutes. Irritation is unlikely but seek medical attention if irritation continues.
- Inhalation:** Unlikely route of exposure. Remove victim from exposure, relocate to fresh air. Loosen or remove contaminated / restrictive clothing. Seek medical attention if effects persist.

Section 5 – Fire Fighting

- Suitable Extinguishing Media:** Use media to suit local environment such as dry agents, water, foam, water fog.
- Unsuitable Extinguishing Media:** None known
- Hazards from combustion:** There is no risk of explosion from this product.
May form toxic combustion products during fire
- Precautions for fire fighters:** Fire fighters should wear approved self-contained breathing apparatus and protective fire-fighting clothing. Keep away from low positions and stay upwind.

Section 6 – Accidental Release

- Protective Equipment:** Wear protective clothing, including impervious shoes, PVC gloves and goggles (see Section 8). Dispose of the absorbed spill in metal or polyethylene containers in accordance with local, State or Federal regulations at an approved waste disposal facility or land fill. Avoid generating dusts, vacuum up where possible.
- Environmental precautions:** Try to contain spill. Prevent spillage from entering drains, sewers and waterways
- Containment and Cleaning Up:**
Large spills Affected area can be slippery. Treat area with absorbent material such as sand, earth or vermiculite. Notify local council or emergency services if spillage enters drains.
Small spills Use absorbent materials to soak up spill, and dispose of in sealed, labelled containers.

Section 7 – Handling and Storage

- Precautions for Safe Handling:** Ensure personal protective gear (Section 8) is worn when handling, keep exposure to a minimum. Wash hands before eating, drinking or smoking. Remove contaminated clothing before entering eating areas. Keep away from any incompatible materials mentioned in Section 10. Keep handling to a minimum.
- Conditions for Safe Storage:** Store in a cool dry place away from direct sunlight or heat. Keep away from any incompatible materials mentioned in Section 10. Keep in original containers with lids firmly sealed and check for spills. Avoid contact with strong acids, metal hydroxides, reactive metals (tin, zinc, magnesium, aluminium).

Section 8 – Exposure Controls

Exposure Standards	WES-TWA (mg/m3)	-	no exposure standard allocated.
Engineering Controls:	No special requirements are necessary.		
Personal Protective Equipment (PPE):	Wear gloves, safety glasses, protective boots and overalls.		
Eye and Face Protection:	Wear safety glasses with side shields.		
Skin Protection:	Wear protective clothing and gloves to avoid unnecessary contact.		
Respiratory Protection:	It is usually safe to use this product without a respirator.		

Section 9 – Physical and Chemical Properties

Appearance:	Blue / Green liquid.	Flammability:	Not flammable.
Odour:	Slight odour.	Vapour pressure:	No data available.
Odour Threshold:	No data available.	Vapour density:	No data available.
Ph:	3.0 approx.	Relative Density:	1.30
Freezing point:	0°C approx.	Solubility:	Completely soluble in water.
Boiling Point:	100°C approx (at 100 kPa).	Partition coefficient:	No data available (n-octanol/water).
Flashpoint:	No data available.	Auto-ignition Temperature:	n/a - doesn't burn.
Evaporation Rate:	Similar to that of water.	Decomposition Temperature:	No data available.
Viscosity:	No data available.		

Section 10 – Stability / Reactivity

Reactivity:	Stable under normal storage conditions, with decomposition or reaction unlikely.
Chemical Stability:	Product is stable at normal ambient temperatures and pressures.
Possibility of Hazardous reactions:	Polymerisation is unlikely to occur.
Conditions to avoid:	Store in a cool, dry, well-ventilated place in the original container, avoiding excessive heat, direct sunlight, freezing and moisture.
Incompatible materials:	Avoid contact with strong acids, metal hydroxides, reactive metals (tin, zinc, magnesium, aluminium).
Hazardous decomposition products:	Only small quantities of decomposition products are expected at fire temperatures. Copper compounds, oxides of nitrogen, and carbon under fire conditions. carbon monoxide, carbon dioxide and smoke.

Section 11 – Toxicological Information

Acute Toxicity:	Not established for this mixture
Oral	Not expected to be a hazard.
Dermal	Not expected to be a hazard.
Inhalation	Not expected to be a hazard.
Skin Corrosion / Irritation:	Not expected to be a hazard.
Serious Eye Damage / Irritation:	Not expected to be a hazard.
Respiratory or Skin Sensation:	Not expected to be a hazard.
Germ Cell Mutagenicity:	Not expected to be a hazard.
Carcinogenicity:	No information available.
Reproductive Toxicity:	Not expected to be a hazard.
Specific Target Organ Toxicity	Not expected to be a hazard.
Aspiration Hazard:	No information available.

Section 12 – Ecological Information

Ecotoxicity:	Harmful to aquatic organisms with long lasting effects
Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Mobility in Soil:	No information available.

Section 13 – Disposal Considerations

Disposal methods:	The product should be disposed of in accordance with state or local government waste management regulations. The containers themselves should be recycled wherever possible.
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Section 14 – Transport Information

This product is not considered dangerous for transport according to the ADR, NZS5433, IMDG, or IATA.

Section 15 – Regulatory Information

Classified under the Group Standard HSR002684 - Water Treatment Chemicals (Subsidiary Hazard) 2017

Location compliance certification:	Not required
Tracking:	Not required
Certified Handler:	Not required
Secondary containment:	> 1000 L (9.1C)
Signage:	> 1000 L (9.1C)

Section 16 – Other Information

SDS Prepared By:	Grayson Wagner Co Ltd
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Acronyms

ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route, Transport of Dangerous Goods
CAS	Chemical Abstracts Service Registry
GHS	Globally Harmonised System for Classifying Chemicals
HSNO	Hazardous Substances and New Organisms
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
NZS	New Zealand Standards
%W/W	Percent by weight

This SDS has been prepared in accordance with the HSNO Act 1996. This represents health, safety and risk information compiled from sources considered reliable and accurate to the best of our knowledge. However, no warranty is made whatsoever, expressed, or implied regarding the accuracy of this data, or the results obtained from the use thereof. Each user must view this SDS with regard to how the product will be handled /used in the workplace, in relation to individual circumstances or other products. The user is cautioned to make their own determination regarding suitability of the information provided in relation to these situations / products / circumstances. If further information or clarification is required, please contact this company so that we can endeavour to obtain it.