

Safety Data Sheet

1. IDENTIFICATION OF THE PRODUCT AND THE SUPPLIER

1.1 Product identifiers

Product name : ALGAECIDE (NON COPPER)

1.2 Other means of identification

None

1.3 Recommended use of the product and restrictions on use

Swimming pool chemical, algaecide.

1.4 Details of supplier of the safety data sheet

Company : AGent Sales & Services Pty Ltd

Street address : 38 May Holman Drive, Bassendean, Western Australia 6054

Telephone : (+61 8) 6270 4500

Fax : (+61 8) 6270 4544

1.5 Emergency telephone number

Telephone : 1300 883 844

2. HAZARDS IDENTIFICATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; **NON-DANGEROUS GOODS**.

This material is classified as hazardous according to Safe Work Australia; **HAZARDOUS SUBSTANCE**.

2.1 GHS Classification

Eye damage/irritation (Category 1)

Skin corrosion/irritation (Category 1B)

Hazardous to aquatic env. – Acute (Category 1)

2.2 GHS Label elements, including precautionary statements

Pictogram :



Signal word : WARNING

Precautionary statement(s)

Hazards

H302 Harmful if swallowed
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye-damage
H400 Very toxic to aquatic life

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P391 Collect spillage.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P303+P361+P353 IF ON SKIN: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 Wash contaminated clothing before reuse.

Storage

P405 Store in accordance with local regulations.

Disposal

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

2.3 Other hazards

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Classification	Concentration (%)
Dodecyldimethylbenzylammonium chloride	139-07-01	N/A	10 - 15
Water	7732-18-5		Balance

For the full text of the H-Statements mentioned in this section, see Section 16

4. FIRST AID MEASURES

4.1 Description of First Aid measures

General advice

Contact the Poisons Information Centre (Phone: Australia 131 126; New Zealand 0800 764 766) or consult a doctor/physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

In case of eye contact, check for and remove any contact lenses. Immediately rinse thoroughly with plenty of running water for at least 15 minutes, keeping eyelids open. In all cases of eye contamination it is a sensible precaution to seek medical advice.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. If swallowed, give a glass of water to drink. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 2.2 and/or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

4.4 First Aid facilities

Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, foam, water fog or water mist. DO NOT USE WATER JET.

5.2 Special hazards arising from the chemical

Under fire conditions this product may emit toxic or irritating fumes and gases including ammonia, HCl, oxides of nitrogen and carbon.

5.3 Special protective equipment and precautions for fire fighters

Fire fighters should wear self-contained breathing apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

5.4 Hazchem code

2X

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure clean-up is conducted by trained personnel only. For personal protection see Section 8.

6.2 Environmental precautions

Do not let product enter drains, waterways or make contact with soil.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry, well-ventilated place. Store in suitably labelled containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

No exposure limit established. No biological limits allocated.

8.2 Exposure controls

Appropriate engineering controls

Engineering controls are not required to maintain exposure levels at or below safe level.

Personal protective equipment (PPE)

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods and environmental factors.

Eye/face protection

Safety glasses or goggles. See Australian Standards (AS/NZS 1336 & 1337).

Skin protection

Wear protective gloves and protective clothing appropriate for the risk of exposure. See Australian Standards (AS 2161 & 2919 and AS/NZS 2210). Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.

Respiratory protection

If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator. See Australian Standards (AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form : Liquid (Solution)
	Colour : Clear
Odour:	Odourless
Odour Threshold:	Not applicable
pH:	6 - 8
Melting Point:	No data available

Boiling Point:	> 100 °C
Decomposition Temperature:	No data available
Evaporation Rate:	Not applicable
Flash Point:	No data available
Auto Ignition Temperature:	No data available
Flammability:	Not flammable
Upper Explosive Limit:	No data available
Lower Explosive Limit:	No data available
Specific Gravity:	1.0 @ 20 °C
Vapour Density (air=1):	No data available
Vapour Pressure:	18 mm Hg (@ 20 °C)
% Volatiles:	No data available
Solubility in water:	Miscible

10. STABILITY AND REACTIVITY

10.1 Chemical stability

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.2 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Heat, open flames and other sources of ignition.

10.5 Incompatible materials

Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) and strong acids.

10.6 Hazardous decomposition products

When involved in a fire, this product may generate oxides of carbon, nitrogen, ammonia and HCl.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Eye contact : May cause eye damage. May cause stinging, itchiness or otherwise irritation of the eyes.

Skin contact : Product can be absorbed through skin and may cause burns if deliberately concentrated or not washed/diluted.

Ingestion : Harmful if swallowed. Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth throat and stomach.

Inhalation : Inhalation of mist or vapour will result in respiratory irritation and possible harmful corrosive effects.

11.2 Information on possible routes of exposure

Inhalation, eye contact, skin contact.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Very toxic to aquatic life.

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Data not available.

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods and containers

Ensure waste disposal conforms to relevant local, state and federal authority waste disposal regulations. All empty packaging should be disposed of as unused product.

13.3 Special precautions for landfill or incineration

Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

NOT classified as a Dangerous Goods by the criteria of the ADG Code for transport by road or rail; **NON-DANGEROUS GOODS.**

NOT classified as a Dangerous Goods by the criteria of the IMDG Code for transport by sea; **NON-DANGEROUS GOODS.**

NOT classified as a Dangerous Goods by the criteria of the IATA Code for transport by air: **NON-DANGEROUS GOODS.**

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

None allocated

Carcinogen classification under WHS Regulations 2011, Schedule 10

Not listed

Notification status

AICS On the inventory or in compliance with the inventory

16. OTHER INFORMATION

Key / legend to abbreviations and acronyms used in the MSDS

ADG	Australian Dangerous Goods
ASCC	Australian Safety and Compensation Council
DEC	Department of Environment and Conservation
NOHSC	National Occupational Health and Safety Commission
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
Eye Dam.	Serious eye damage
TWA	Time weighted average
STEL	Short term exposure level
SWA	Safe Work Australia
Peak Limitations	A ceiling concentration that should not be exceeded over a measurement period, which should be as short as possible, but not exceeding 15 minutes
LD ₅₀	Lethal dose 50. The single dose of a substance that causes the death of 50% of an animal population from exposure to the substance by any route other than inhalation
LC ₅₀	Lethal concentration that kills 50% of an animal population within a specified time
TD Lo	The lowest dose of a substance known to have produced signs of toxicity
RTECS	Registry of Toxic Effects of Chemical Substances
g/L	Grams per litre
g/cm ³	Grams per cubic centimetre
mg/m ³	Milligrams per cubic metre
mg/kg	Milligrams per kilogram
pH	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
WHS	Work Health and Safety

Literature references

"Workplace Exposure Standards for Airborne Contaminants, December 2011" by SWA
Work Health and Safety Regulations 2011

Reason(s) for Issue:

Revised primary SDS
Alignment to GHS requirements

Disclaimer

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