

Safety Data Sheet

Hazardous Chemical, Non-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: REGEN – ALGUARD PLUS

Recommended use: Water treatment

Supplier: Parklink Ltd
Company No.:
Street Address: 43 Niven Street, Onekawa
New Zealand
Telephone: 06 843 2913
Facsimile:
Email: admin@parklink.co.nz

Emergency Telephone number: 0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of EPA New Zealand.

HSNO Approval Code: HSR002684



Signal Word

Warning

Hazard Classifications

Eye Irritation – Category 2

Skin Irritation – Category 2

Aquatic Toxicity (Acute) – Category 2

Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H401 Toxic to aquatic life.

Prevention Precautionary Statements

P102 Keep out of reach if children.
P103 Read label before use.
P264 Wash hands, face and all exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear eye protection.

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Response Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P302 + P352	IF ON SKIN: Wash with soap and water.
P332+P313+P362	If skin irritation occurs: Get medical advice. Take off contaminated clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical attention.
P391	Collect spillage.

Storage Precautionary Statement

None allocated

Disposal Precautionary Statement

P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
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DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous Goods Class: NA

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Copper Ethanolamine Complex	14215-52-2	10-30 % (w/w)
Benzalkonium Chloride	68424-85-1	<10 % (w/w)

Remaining ingredients are non-hazardous at the concentrations used.

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove person to fresh air. Avoid becoming a casualty. Remove contaminated clothing and

loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical attention if symptoms persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if irritation develops and persists.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor; or for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious person. If vomiting occurs give further water. Immediately get medical attention if symptoms occur.

PPE for First Aiders: Avoid contact with skin, eyes and clothing. Wear personal protective clothing (see section 8).

Notes to physician: Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Hazchem Code: NA

Suitable extinguishing media: If material is involved in a fire use dry chemical, CO₂, water spray or regular foam.

Specific hazards: Non-combustible

Firefighting further advice: Firefighters should wear self-contained breathing apparatus and full firefighting protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Avoid contact with eyes. Do not touch or walk-through spilled material. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Stop leak if you can do it without risk. Wash thoroughly after handling. Use appropriate personal protective equipment (PPE). Carefully absorb material, then collect remaining material and place in suitable container. Avoid generating mists. Avoid release to the environment.

LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of mists. Work up wind or increase ventilation. Bund with inert material (eg soda ash, bicarb soda, sand or soil). Pump or vacuum up, but avoid generating mists and dusts. Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of mists.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Keep at a temperature not exceeding 45°C. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright and closed when not in use - check regularly for spills.

General hygiene: Avoid contact with eyes. Do not eat, drink or smoke when using this product. Wash hands and face before breaks and immediately after handling the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by the New Zealand Workplace Health & Safety Authority.

Biological Limit Values: As per the WorkSafe New Zealand the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. Ventilation must be adequate to maintain air concentrations below Exposure Standards. Use only in well-ventilated areas. Avoid generating and inhaling mists. Use with local exhaust ventilation.

Personal Protection Equipment: Rubber gloves, safety glasses or goggles, suitable protective clothing (i.e., overalls or full-length sleeves and trousers). Use a dust mask or respirator and enclosed goggles if generating mist.

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Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Use with adequate ventilation. If inhalation risk exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of mists. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Dark blue
Odour: slight ammonical

Solubility: Completely miscible with water
Specific Gravity: Not available
Vapour Pressure (20 °C): Negligible
Flash Point (°C): Not applicable
Flammability Limits (%): Not applicable
Autoignition Temperature (°C): Not applicable
Melting Point/Range (°C): Not available
Boiling Point/Range (°C): Not available
pH: 9 - 10

10. STABILITY AND REACTIVITY

Chemical stability: This material is stable when stored and used as directed.

Conditions to avoid: Avoid heat.

Incompatible materials: Strong reducing and oxidizing agents, strong alkalis.

Hazardous decomposition products: None known based on information supplied.

Hazardous reactions: No information available.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may cause irritation to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in redness and irritation.

Ingestion: Harmful if swallowed. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: Causes serious eye irritation.

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Acute Toxicity

Benzalkonium Chloride: Oral LD50 (mouse) = 150mg/kg; Dermal LD50 (rat) 1420mg/kg

Inhalation: No information available

Ingestion: No classified as hazardous.

Corrosion/Irritancy: Eye: this material has been classified as an eye irritant. Skin: this material has been classified as a skin irritant.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: No information available

Specific target organ toxicity (single exposure): No information available

Chronic Toxicity

Mutagenicity: No information available

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity (including via lactation): No information available

Specific target organ toxicity (repeat exposure): No information available

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. Toxic to aquatic species.

Acute aquatic hazard: Toxic to aquatic species. Designed for biocidal action.

Long-term aquatic hazards: No information available

Ecotoxicity in the soil environment: No information available

Ecotoxicity to terrestrial vertebrates: This material has been classified as - harmful to terrestrial vertebrates.

Ecotoxicity to terrestrial invertebrates: No information available

Ecotoxicity: No information available

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

Treat the chemical using a method that changes the characteristics or composition of the chemical so that the chemical is no longer a hazardous chemical; or export the chemical from New Zealand as waste. If possible, material

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and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

UN No: NA
Dangerous Goods Class: NA
Packing Group: NA
Emergency Response Guide No: NA

Proper Shipping Name: NA

15. REGULATORY INFORMATION

All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

HSNO Approval Code: HSR002684

16. OTHER INFORMATION

Reason for issue: New product

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer, it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.