



Safety Data Sheet

Algae Inhibitor

BioGuard

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1 IDENTIFICATION OF CHEMICAL

Product Name: Algae Inhibitor
Chemical name: Alkyl Dimethyl Benzyl Ammonium Chloride.
Other names: Quaternary Ammonium Compound (QAC)

2 COMPOSITION

Ingredients:	Wt%	CAS No.	EINECS No	EEC No.	Phrases
Alkyl Dimethyl Benzyl Ammonium Chloride.	40	68391-01-5	--	--	R22-34 S26,2836/37/39

3 HAZARD IDENTIFICATION

Harmful if swallowed. Irritating to eyes, skin and respiratory system. Avoid breathing in fumes.

4 FIRST AID MEASURES

Skin Contact: Wash thoroughly with plenty of water for at least 15 minutes. Remove contaminated clothing and wash before reuse. If large area of skin is damaged or if irritation persists seek medical attention.

Eye contact: Flush immediately with water for at least 15 minutes. Seek medical attention.

Ingestion: Promptly drink large amounts of water. Wash out mouth with water. **DO NOT INDUCE VOMITING.** Seek immediate medical attention

Inhalation: Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid, or complete, seek medical attention.

Note: When seeking medical attention, always show the product label.

5 FIRE FIGHTING MEASURES

This product is not flammable. Fires can be extinguished by flooding with water or by isolating the decomposing material to open air and allowing it to be consumed.

Suitable extinguishers: Water, CO₂. Foam or dry powder

Hazardous combustion products are: Fumes of organic / inorganic materials. Carbon dioxide and monoxide.

6 ACCIDENTAL RELEASE MEASURES

Use appropriate personal protective equipment as detailed in section 8.

Spillages and Leaks:

Contain and absorb spillage with inert absorbent or sand. Sweep up spilled material and any contaminated soil and place in clean dry plastic containers for disposal in accordance with local and national waste disposal legislation.

7 HANDLING AND STORAGE

Handling: **DO NOT MIX WITH OTHER CHEMICALS.** Always add product to water, never water to product. Use clean, dry containers and utensils.

Storage: Store in a cool, dry place away from direct sunlight and heat. Keep out of reach of children and avoid storage or contact with organic materials, oil, grease, saw dust, reducing agents, Nitrogen containing compounds, Sodium Hypochlorite, Calcium Hypochlorite, other oxidisers, acids and alkalis.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Authority	8hr TWA		15min STEL	
	ppm	mg/m ³	ppm	mg/m ³
	not assigned		not assigned	

PPE	Respiratory:	Dust mask in normal conditions.
	Hands:	Impermeable gloves and protective clothing. Avoid contact with skin. Remove and wash contaminated clothing before use.
	Eyes:	Wear chemical splash goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid
Odour:	Almondy
pH (1% aqueous soln):	7.0 – 8.0
Specific gravity:	0.92 g/ml
Solubility in water:	completely miscible

10 STABILITY AND REACTIVITY

Conditions to avoid: Damp or slightly wet conditions also slowly liberate hazardous gasses.
Stability: Stable under normal conditions.
Incompatible materials: Reacts with oxidising and reducing against to liberate hazardous gasses.

11 TOXICOLOGICAL INFORMATION

Route of entry: Inhalation, skin contact and ingestion.
Inhalation: Irritating to nose mouth throat and lungs
Ingestion: Harmful if swallowed. Irritation and burning to gastrointestinal tract.
Skin & eyes: Can cause severe irritation and / or burns characterised by redness, swelling and scab.

This product is not listed as a carcinogen.

12 ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic organisms. **DO NOT** discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or their waters unless in accordance with the appropriate legislation. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local water authority.

13 DISPOSAL CONSIDERATIONS

Disposal Method: Disposal should be in accordance with all official regulations and carried out via an approved disposal contractor. If material is dry, incineration is recommended.

Empty Containers: As substance.

14 TRANSPORT INFORMATION

UN No: 1760
Primary Hazard: Corrosive
Packing Group: III
Hazard ID No: 80
Class: 8
EAC: 2X

15 REGULATORY INFORMATION

Product name: Algae inhibitor
Hazard symbol: Corrosive
Risk Phrases: R22 Harmful if swallowed.
R34 Causes burns
R36/37 Irritation to eyes and respiratory system.

Safety Phrases: S1/2 Keep locked up and out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear protective clothing, gloves and eye/face protection.

16 OTHER INFORMATION

Recommended uses and restrictions: No further information.

Further information sources: No further information

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list. EH40

The data in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1997, as amended, for the purpose of protecting the health and safety of industrial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This data sheet does not constitute a users assessment of the workplace risk as required by the Health and Safety at Work Act, COSHH, Management of Health and Safety at Work or other health and safety legislation.
