

Material Safety Data sheet
According to 1907/2006/EC, Article 31 (REACH)

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AQUA TREAT
Algaecide

1. COMPANY IDENTIFICATION.

Application of the substance /the preparation

Formulation additive
Algaecide for Swimming Pool
Water treatment

REICON

Wärmetechnik und Wasserchemie Leipzig GmbH
Lagerhofstrasse 2 04103 Leipzig
Tel: (0341) 649120 / Fax Number : (0341) 6 49 12 60
Email: info@reicon.de
Website: www.reicon.de

2.COMPOSITIONS / INFORMATION ON INGREDIENTS

Sr.No	CAS #	%	EC NO.
1.	25988-97-0	(49)%	271-840-5,607-843-9
2.	7732-18-5	(51)%	

3. PHYSICAL & CHEMICAL PROPERTIES.

Appearance: Clear Liquid
Odor: Characteristic, amine like
Solubility in Water: Soluble
Specific Gravity: 1.0 -1.2 @ 25°C
pH@25°C 7.0-8.5
Color: Colorless to Pale Yellow
Vapour Pressure: NA
Vapour Denisty: NA
Boiling Point: >100°C
Freezing Point: NA
Melting Point: NA
Evaporation Rate: NA
Moleculer Formula: NA
Moleculer Weight: NA
Coeff.Oil/Water: NA

4.STABILITY & REACTIVITY

Stability: The product is stable under normal amient conditions of temperature & pressure. Product from extreme temperatures.
Polymerization: May occur under extreme temperatures

5.HAZARD IDENTIFICATION

Appearance:	Colorless to pale yellow liquid
Eyes:	May cause corrosion to eyes. If irritation persists call a physician.
Skin:	May Cause skin burns, skin sensitization, an allergic reaction.
Inhalation:	Causes chemical burns to the respiratory tract.
Carcinogenicity:	Not listed by OSHA

6.HANDLING & STORAGE

Handling:	Use appropriate personal protective equipment as specified in Section 8. Handle in a well-ventilated area. Handle & use in a manner consistent with good industrial/manufacturing techniques & practice.
Storage:	Store in cool & dry conditions. Store away from strong nucleophilic & alkalis.

7.EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional Controls & Personal Protection.



PROTECTIVE EQUIPMENT:

Wear Protective Clothing, approved Safety Goggles & Chemical resistant Gloves.
 Appropriate Engineering Controls.
 Ensure Adequate Ventilation of the Working area.

8.FIRST AID MEASURES

General Information	Instantly removes any clothing soiled by the products.
After Inhalation:	Do not induce vomiting without medical advice. Immediately give large quantities of water to drink. Never give anything by mouth to an unconscious person.
After Skin Contact:	Wash with water & Soap, if skin irritation continues consult a doctor.
After eye Contact:	Rinse opened eyes for several time under running water, then consult doctor.

9. FIRE FIGHTING MEASURES

Flash point(C):	> 100 C ⁰
Flammable Limits:	NA
Auto ignition Temperature:	NA
Flammable Class:	NA
General Hazard:	Evacuates personnel downwind of fire to avoid inhalation of irritating & or harmful fumes & smoke.

Extinguishing Media: Dry powder, water spray, foam.
Hazardous Combustion Products: Oxides of sulphur @ high temperatures, Heating or fire can
Fire fighting Procedure: This product is a nonflammable substance. However hazardous decomposition & combustion products may be formed in fire situation. Cool exposed containers with water spray to prevent overheating.
Fire Fighting Equipment: Respiratory & eye protection are required for firefighting personal.
 Full protective equipment (bunker gear) & self contained breathing apparatus (SCBA) should be used for all indoor fires & any significant outdoor fires. For small outdoor fires which may easily be extinguished with portable fire extinguish, use of a SCBA may not be required

10.ACCIDENTAL RELEASE MEASURE

Small Spill: Clean up the spills immediately wearing the appropriate equipment designated in Section 8, move the leaking container to contaminated area. Shovel up & dispose of at an appropriate waste disposal facility according the current applicable laws & regulations, product characteristics @ time of disposal.
Large Spill: Clean up the material immediately wearing the appropriate equipment designated in Section 8.
Environmental Precautions: Water spill: Use appropriate containment to avoid runoff or release to sewer or waterways. Land Spill: Use appropriate containment to avoid runoff or release ground. General Procedures: remove containers of strong acids from the release area.
Release Notes: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities.

11.DISPOSAL CONSIDERATION

Methods of Disposal: Dispose of waste at an appropriate waste disposal facility according to current applicable laws & regulations.
Large Spills Product Disposal: Contain material & call local authorities for emergency assistance, Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws & regulations & product characteristics at time of disposal.
Empty Container: Contaminated container should be cleaned & dispose of as product in accordance with applicable regulations.
General Comments: Refer to section 6, Accidental release measure for additional information

12.TRANSPORT INFORMATION

Not regulated.

13.ECOLOGY

Toxicity to fish(LC ₅₀):	0.27 mg/l / 96 hours, zebra fish.
Toxicity to Daphnia (EC ₅₀):	0.14 mg/l / 48 hours, Daphnia magna.
Toxicity to algae (ErC ₅₀):	0.18 mg/l / 72 hours, scenedesmus sp growth inhibition.
Toxicity to bacteria (EC ₅₀):	150 mg/l / 03 hours, respiration inhibition
Mobility:	Behavior in environment Compartment: Adsorption / Soil, Immobile.
Persistence & degradability:	Abiotic degradation. Hydrolytically stable. pH 4-8.5
Biodegradability:	81.0% in 28 days

14.OTHER INFORMATION

None

15.REGULATORY INFORMATION

Fire:	No
Pressure Generating:	No
Reactivity:	No
Acute:	No
Chronic:	No

16.TOXICOLOGICAL INFORMATION

Primary Skin Irritation index :(Rabbit):	Non-irritant, Exposure time: 4 hours
Acute Oral (Rat) LD ₅₀ :	>2000 mg / Kg
Primary Eye Irritation:	Mild irritant (rabbit)
Eye Effects:	Mild irritant (rabbit)
Carcinogenicity:	NA-Listed by OSHA
Mutagenicity:	NA
Reproductive Effects:	NA
Teratogenic Effects:	NA

The above information was compiled from current reliable sources & is believed to be near to accurate. Data given here are mainly for the guidance in safe storage & handling of the products. It does not signify any warranty with regards to the product's properties