

Safety Data Sheet

GHS-Compliant

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements



PRODUCT IDENTITY	Safety Data Sheet Revision Date · January 1, 2021
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Section 1 - Identification

Product Name Crystal Aqua Swimming Pool Algaecide 10%	EPA Reg Number 9613-5
Synonym Algaecide	Chemical Formula
Chemical Name Quat, Alkyl dimethyl benzyl ammonium chloride	Chemical Family Quaternary Ammonium Compound
Product Use Swimming Pool Algaecide	
Manufacturer/Supplier Name Bison Laboratories, Inc.	Address 100 Leslie Street, Buffalo, NY 14211-1621
General Information 1-716-895-2707	Country USA
Emergency Telephone 1-716-895-2707	Transportation Emergency Number CHEMTREC 1-800-424-9300

Section 2 - Hazards Identification

GHS Classification:

HEALTH		PHYSICAL	
Acute toxicity, oral	Category 4	Flammable liquids	Category 3
Skin corrosion/irritation	Category 1B		
Serious eye damage/eye irritation	Category 1		

Osha defined hazards Not classified

GHS Label Elements:

SYMBOLS: corrosive, irritant, hazardous to the aquatic environment



Signal Word: DANGER

Section 2 - Hazards Identification (continued)

GHS Label:

<i>Hazard Statements</i>	<i>Precautionary Statements (continued)</i>
H226 Flammable liquid and vapor	P280 Wear protective gloves/protective clothing/eye protection/face protection.
H302 Harmful if swallowed	P301/312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
H314 Causes severe skin burns and eye damage	P301/330/331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
H318 Causes serious eye damage	P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
	P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
<i>Precautionary Statements</i>	
P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking	P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P233 Keep container tightly closed.	P310 Immediately call a POISON CENTER/doctor.
P240 Ground and bond container and receiving equipment.	P321 Specific treatment (see supplemental first aid instructions on this label).
P241 Use explosion-proof equipment.	
P242 Use non-sparking tools.	P330 Rinse mouth.
P243 Take action to prevent static discharges.	P363 Wash contaminated clothing before reuse.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.	P370/378 In case of fire: Use water spray to extinguish.
P264 Wash thoroughly after handling.	P403/235 Store in a well-ventilated place. Keep cool.
P270 Do not eat, drink or smoke when using this product.	P405 Store locked up.
	P501 Dispose of contents/container in accordance with local/regional/national/international guidelines.

Section 3 - Composition/Information on Ingredients

Component Description	Percent	CAS #
N-Alkly (C14 60%, C12 25%, C16 15%)		
Dimethyl Benzyl Ammonium Chloride	8	Cas# 8001-54-5
Ethanol	2	Cas# 64-17-5
Water	90	Cas# 7733-09-4

EXPOSURE LIMITS/REGULATORY INFORMATION

Substance	PEL	TLV	STEL	TWA
N-Alkly Dimethyl Benzyl	N/A	N/A		
Ethanol	1000 ppm	1000 ppm	1000 ppm	1000 ppm
Water	N/A	N/A		
N/A - Not Applicable	N/D - Not Determined			

Section 4 - First Aid Measures

General

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Section 4 - First Aid Measures (continued)

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

Skin Contact

Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

Ingestion

If the material is swallowed, get medical attention or advice. Do not induce vomiting.

Note to Physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

Section 5 - Fire Fighting Measures

Extinguishing Method

Dry chemical, foam, carbon dioxide, water fog.

Fire-fighting Procedures

Firefighters should wear full-firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

Section 6 - Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled

Isolate spill or leak immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Wear appropriate personal protective equipment during cleanup. Do not touch or walk through spilled material.

Small spills: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Large spills: Dike ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Section 7 - Handling and Storage

Handling

Avoid contact with skin and eyes. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. As with all chemicals. Good industrial hygiene practices should be followed when handling this material

Storage

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Keep the container tightly closed and in a cool, well ventilated place. Avoid freezing or excessive heat.

Precautions to be Taken in Handling and Storage

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Do not breath mist or vapor. Avoid prolonged exposure. Do not taste or swallow. When using do not eat, drink or smoke. Wash thoroughly after handling. Avoid release to the environment.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls

Use with good general ventilation (typically 10 air changes per hour).

Personal Protection

Good hygiene considerations:

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

Respiratory Protection

Under normal conditions a respirator is not required. If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.

Skin Protection

Wear appropriate chemical resistant gloves. Clothing sufficient to prevent all skin contact should be worn (long sleeves).

Eye Protection

Wear chemical goggles or a face shield.

Section 9 - Physical and Chemical Properties

Boiling Point	Specific Gravity
Not Available	0.97
Vapor Pressure (mm Hg)	Freezing Point
48 mm Hg @ 20° C Estimated	Not Available
Vapor Density (AIR = 1)	Density
Not Available	Not Available
Solubility in Water	
Miscible	
Appearance and Odor	
Colorless (Clear) Liquid that has an odor of almond	

Section 10 - Stability and Reactivity

Reactivity

This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability

Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Avoid heat, sparks, open flames or other ignition sources. Avoid contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents

Hazardous decomposition products

No hazardous decomposition products are known

Section 11 - Toxicology Information

Information on likely routes of exposure

Inhalation

May cause irritation to the respiratory system.

Skin Contact

May cause skin irritation/burns

Eye Contact

May cause serious eye damage

Ingestion

Causes digestive tract burns. Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological effects

Redness, stinging and burning pain attributed to corrosive skin damage. May cause serious eye damage. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage could result.

Carcinogenicity

Not classified as a carcinogen as defined by IARC, NTP or OSHA.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

Prolonged inhalation may be harmful.

Section 12 - Ecological Information

Ecological Toxicity

Very toxic to aquatic life with long lasting effects.

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Section 13 - Disposal Considerations

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Wastes from residues/unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 - Transportation Information

Proper Shipping Designation

Shipped as a limited quantity per 49 CFR 173.154(b)

DOT Shipping Class

Not applicable

Section 15 - Regulatory Information

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA 304 Emergency Release Notification

Not Regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 302 Extremely Hazardous Substance

Not listed.

SARA 311/312 Hazardous Chemical

No

SARA 313 (TRI Reporting)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

FIFRA Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Listed below is the hazard information as required on the pesticide label.

Signal word - DANGER. KEEP OUT OF REACH OF CHILDREN

Hazard statement - corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled or if swallowed or absorbed through the skin.

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5)

US. New Jersey Worker and Community Right-to-Know Act

Ethanol (CAS 64-17-5)

US. Pennsylvania Worker and Community Right-to-Know Law

Ethanol (CAS 64-17-5)

US. Rhode Island RTK

Not regulated

Section 16 - Other Information

Hazard Ratings	HMIS (III)	NFPA
Health	3	3
Flammability	2	2
Reactivity	0	0
PPE	C	

Disclaimer of Liability

TERMS AND CONDITIONS: This SDS is designated only as guidance for the product to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor agents, directors, officers, contractors or employees of either) are liable to any party for the damages of any nature, including direct, special or consequential damages arising out of or in connection with accuracy, completeness adequacy or furnishing of any information in the SDS, or in any other way related (directly or indirectly) to the SDS. The receipt and use of this information constitutes consent to these terms and conditions.
