

SAFETY DATA SHEET

Date issued : 06/16/2026

SDS number : HammerTech Algae Bee Gone

HammerTech Solutions Algae Bee Gone

1. Identification

Product identifier: HammerTech Solutions Algae Bee Gone

Relevant identified uses: Algaecide

Distributor

HammerTech Solutions, LLC.
270 W. Bell Road
Suite 1100
Phoenix, AZ 85053
Web: hammertechsolutions.com

Emergency telephone number (24 hour)

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. Hazard identification

Classification of the substance or mixture

Physical hazards:

Flammable Liquids, Category 3

Health hazards:

Acute Toxicity (Oral), Category 4

Skin Corrosion, Category 1B

Serious Eye Damage, Category 1

Label elements

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).



Flame



Corrosion



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

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

P361: Take off immediately all contaminated clothing.

P353: Rinse skin with water [or shower].

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P304+P312: IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.

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

P310: Immediately call a POISON CENTER/doctor/...

P363: Wash contaminated clothing before reuse.

1585RM8G: P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

Disposal:

3235U44K: P501: Dispose of contents/container to an approved waste disposal plant.

Potential health effects

Ingestion: May be harmful if swallowed.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	< 50 - 60	68424-85-1
Ethanol	< 5 - 10	64-17-5
Other components below reportable levels	< 40 - 50	-----

4. First-aid measures

Eye: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Skin: Wash immediately with plenty of soap and water. Call a physician immediately. Take off all contaminated clothing immediately.

Ingestion: Call a physician immediately. Clean mouth with water. Drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air. Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration.

5. Fire-fighting measures

Suitable extinguishing media: Water fog, carbon dioxide, foam, dry chemical powder.

Other considerations: Do not use water jet as an extinguisher, as this will spread the fire.

Fire fighting procedures: In case of fire and/or explosion, do not breathe fumes. Move containers from fire area if can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Fire fighting equipment: In the event of fire, wear self-contained breathing apparatus.

Hazardous decomposition products: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

6. Accidental release measures

Small spill: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Large spill: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains.

Environmental precautions

Water spill: 5% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

General procedures: Contain spillage and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

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Release notes: Do not flush into surface water or sanitary sewer system.

Special protective equipment: Use respirator when performing operations involving potential exposure to vapor of the product.

7. Handling and storage

General procedures: Avoid contact with eyes, skin, and clothing. Provide sufficient air exchange and/or exhaust in work rooms.

Precautions for safe handling: Highly flammable. Keep away from sources of ignition. No smoking. Take precautions against static discharges.

Conditions for safe storage: Keep container tightly closed and store in a cool, dry, ventilated area away from heat and light.

Storage temperature: Recommended storage temperature: Less than 60 degrees C.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Ethanol	OSHA PEL	TWA	1000 ppm	1900 mg/m ³
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	1000 ppm	1884 mg/m ³
		STEL	ppm	mg/m ³
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

Appropriate engineering controls: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear tightly sealed safety goggles.

Skin protection - hand protection: Nitrile rubber gloves with break through time greater than 480 min

Respiratory protection: In misty conditions, use a respirator with approved filter.

Skin protection - other: Rubber or plastic apron and boots.

Occupational hygiene practices: Provide safety shower and eyewash station in the work area.

Other use precautions: Avoid contact with skin, eyes and clothing.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Blue liquid.

Odor: Characteristic

pH: 7 to 9 (10% aqueous)

Flash point: 47.0°C (116.6°F)

Evaporation rate (n-butyl acetate = 1): Not Available

Vapor pressure: 44 mm Hg at (68°F)

Relative vapor density: Not Available

Relative density: 0.96

Solubility: Miscible

Dynamic viscosity: < 68.99 CST

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VOC content: 5 %

Notes: Estimated

10. Stability and reactivity

Chemical stability: Stable under normal conditions.**Conditions to avoid:** Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point (116.6°F) (47.0°C).
Contact with incompatible materials.**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.**Hazardous decomposition products:** No dangerous decomposition products known.**Incompatible materials:** Strong oxidizing agents.

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD₅₀: 3560 mg/kg - Rabbit**Acute oral toxicity LD₅₀:** 430 mg/kg - Rat**Notes:** Above tox data based on N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride (CAS No.: 68424-85-1)**Respiratory or skin sensitization:** Not a respiratory sensitizer. Causes skin burns.**Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

Notes: None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as carcinogen.**Reproductive toxicity:** Not expected to cause reproductive or developmental effects.**Specific Target Organ Toxicity - single exposure:** Not classified**Specific Target Organ Toxicity - repeated exposure:** Not classified**Aspiration hazard:** Not expected to occur.

12. Ecological information

Aquatic toxicity, both acute and chronic

96-hour LC₅₀: 0.28 mg/L (fathead minnow) EPA method.**48-hour EC₅₀:** 0.01 mg/L (Daphnia Magna) OECD Test Guideline 202.**Notes:** Early-Life Stage NOEC: 0.03 mg/l (fathead minnow); exposure time 34 days; EPA-FIFRA method.

Persistence and degradability:

Biodegradability:

OECD Confirmatory Test: >90%; Method OECD 303A

Modified SCAS Test: >99%; exposure time 7 days; Method: OECD 302A

CO2 Evolution Test: concentration: 5 mg/l; Exposure time 28 days. Readily biodegradable. 95.5%; Method OECD 301B

Other adverse effects: Above ecotox data refers to: N-Alkyl(C12-16)-N,N-dimethyl-N-benzylammonium chloride (CAS No.: 68424-85-1)

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

14. Transport information

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USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive liquids, flammable, n.o.s. (Quaternary Ammonium Compound, Ethanol)

UN number: UN2920

Transport hazard class(es): 8

Secondary hazard class/division: 3

Packing group, if applicable: II

NAERG: 132

Hazard label: 8,3

DOT other shipping information: Note: Class 3 labels are not required when packages are transported domestically by rail or highway as noted in 49CFR 172.402(a)

ICAO / IATA - air

UN proper shipping name: Corrosive liquids, flammable, n.o.s. (Quaternary Ammonium Compound, Ethanol)

UN number: UN2920

Transport hazard class(es): 8

Secondary hazard class/division: 3

Packing group, if applicable: II

ERG: 8F

Subsidiary risks: 3

IMO / IMDG - International

UN proper shipping name: Corrosive liquids, flammable, n.o.s. (Quaternary Ammonium Compound, Ethanol)

UN number: 2920

Transport hazard class(es): 8

Secondary hazard class/division: 3

Packing group, if applicable: II

EmS: F-E, S-C

Environmental hazards - marine pollutant: No.

Special provisions: Passenger and cargo aircraft: Allowed.
Cargo aircraft only: Allowed.

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification



Corrosive

Flammable
Liquid

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Hazard Categories: Health: Immediate (Acute) Health Hazard

313 reportable ingredients: None.

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: Not listed.

TSCA (The Toxic Substances Control Act)

TSCA regulatory: This product can only be used in the EPA registered application noted on the product label.

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TSCA Status: All ingredients in this mixture are in compliance with TSCA.

States with special requirements

Chemical name	Requirements
Ethanol	Ethyl Alcohol: New Jersey Workplace Hazard New Jersey Special Hazard Pennsylvania Workplace Hazard CA Proposition 65 Massachusetts Hazardous Substance New York City Hazardous Substance

Regulations

State regulations:

Massachusetts Right To Know: Ethanol (CAS 64-17-5)

New Jersey Right to Know: Ethanol (CAS 64-17-5)

Pennsylvania Right to Know: Ethanol (CAS 64-17-5)

California Proposition 65: The following detectable component of this product is a substance, or belongs to classes of substances, known by the State of California to cause cancer and/or reproductive toxicity. However, exposure to this chemical qualifies under Safe Harbor Levels, and poses no significant risk within the meaning of the Act.

Residual Ethanol CAS 64-17-5, Less than 1 PPM.

FIFRA (federal insecticide, fungicide, and rodenticide act): 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. Below you will find the hazard information that is required on the EPA pesticide label.

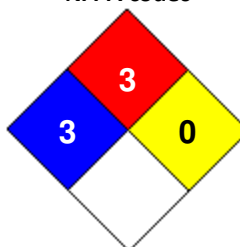
16. Other information

Date Prepared: 06/16/2026

HMIS rating

Health		3
Flammability		3
Physical hazard		0
Personal protection		

NFPA codes



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