

SAFETY DATA SHEET

Date issued : 06/16/2026

SDS number : HammerTech Poly 60 Defense

HammerTech Solutions Poly 60 Defense

1. Identification

Product identifier: HammerTech Solutions Poly 60 Defense**Active ingredient(s):** Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]**Relevant identified uses:** Algacide**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**Health hazards:**

Acute Toxicity (Oral), Category 4

Environmental hazards:

Aquatic Toxicity, Acute 1

Label elements

This material is considered hazardous under OSHA regulations.

Exclamation
mark

Environment

Hazard statement(s)

H302: Harmful if swallowed.

H400: Very toxic to aquatic life.

Precautionary statement(s)**Prevention:**

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

P330: Rinse mouth.

P391: Collect spillage.

Disposal:

789508DQ: Dispose of contents/container to comply with local, state and federal regulations.

Potential health effects**Eye:** May cause eye irritation.**Skin:** Prolonged or repeated contact may cause skin irritation.**Ingestion:** Harmful if swallowed. If medical advice is needed, have product container or label at hand.**Carcinogenicity:** Not listed by NTP, IARC or OSHA.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	60	31512-74-0

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4. First-aid measures

Eye: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. See a doctor immediately.

Skin: Immediately wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Ingestion: DO NOT INDUCE VOMITING. Give a glass of water or milk to drink. Call a physician or poison control immediately. Never give anything by mouth to an unconscious person.

Inhalation: Immediately move person to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek immediate medical treatment.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically and supportively.

5. Fire-fighting measures

Flammable class: Nonflammable

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Fire fighting equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Comments: Material will not burn.

6. Accidental release measures

Small spill: Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. This material will sink and is soluble/dispersible. It is probably not recoverable.

General procedures: Avoid release to the environment. This product is toxic to fish and aquatic organisms. Do not discharge into effluent containing this product into lakes, streams, ponds or 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 discharging. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, call your State Water Board Authority or Regional Office of EPA.

Release notes: Notify the authorities.

Special protective equipment: Wear appropriate protective equipment and clothing during clean-up.

7. Handling and storage

General procedures: Do not contaminate water, food or feed by storage or disposal.

Conditions for safe storage: Store in a cool, dry, well-ventilated area away from incompatible materials.

Storage pressure: Atmospheric

Comments: Do not reuse empty containers without commercial cleaning or reconditioning. Empty containers retain product residue, (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Spills must be absorbed with sawdust or sand and disposed of in a sanitary landfill. Leaking or damaged drums must be placed in overpack drums for disposal. Do not stack drums more than 4 drums high.

8. Exposure controls/personal protection

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Exposure controls

Control parameters				
		Occupational exposure limit values		
Chemical name		Type	ppm	mg/m ³
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]		OSHA PEL	TWA	[1]
		ACGIH TLV	TWA	[1]
Footnotes:				
1. Not established.				

Appropriate engineering controls: Ventilation should be provided to control worker exposures and prevent health risks and as necessary to reduce, prevent and control dust, mist, vapor or aerosol generation.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear chemical safety goggles.

Skin protection - hand protection: Impervious gloves.

Respiratory protection: None normally required.

Skin protection - other: Body protective clothing and shoes.

Occupational hygiene practices: Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices.

Other use precautions: Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.

Comments: Use adequate ventilation to keep airborne concentrations low.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Amber / Yellow

Odor: Mild.

pH: 6.0 to 8.0

Freezing point: < 0°C (32°F)

Initial boiling point and boiling range: > 100°C (212°F)

Flash point: > (212°F) COC (Cleveland Open Cup)

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

Lower explosion limit / flammability limit: N/A

Upper explosion limit / flammability limit: N/A

Vapor pressure: Not Available

Relative vapor density: Not Available

Density: 9.6 - 9.8 lbs/gal at 25.0°C (77.0°F)

Relative density: 1.5 to 1.7

Solubility: Soluble at 25.0 C (77.0 F)

Decomposition temperature: Not Available

Dynamic viscosity: < 125 CPS at 25°C (77°F)

Percent volatiles: 40

10. Stability and reactivity

Dangerous polymerization: Will not occur.

Chemical stability: Stable.

Hazardous decomposition products: None known.

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Incompatible materials: None known.

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD₅₀: > 2000 mg/kg - Rabbit

Acute oral toxicity LD₅₀: 1850 mg/kg - Rat

Acute inhalation toxicity LC₅₀: 2.9 mg/L (4 hour - rat)

12. Ecological information

Aquatic toxicity, both acute and chronic: LC₅₀ = 44.00 UG/l - 48 hours (Rainbow trout)

LC₅₀ = 660.0 UG/l - 24 hours (Harlequinfish)

LC₅₀ = 3350 UG/l - 48 hours (Channel catfish)

LC₅₀ = 60,000 UG/l - 48 hours (Zebra mussel)

LC₅₀ = 218.0 UG/l 48 hours (Water Flea)

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

RCRA/EPA waste information: This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

General comments: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained and properly bunged, then promptly returned to a drum reconditioner, or properly disposed of.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not Regulated.

ADR / RID - road / rail

UN proper shipping name: Not Regulated.

ICAO / IATA - air

UN proper shipping name: Not Regulated.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: No components of this product are present above the de minimus levels.

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All components of this product may not be listed in the TSCA Inventory. EPA registered pesticides are exempt from the requirements of TSCA.

California Proposition 65: There are no chemicals present known to the State of California to cause cancer.

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.

General comments: HAZARD INFO FOUND ON EPA LABEL 46043-4:

CAUTION.

Harmful if swallowed or absorbed through skin.

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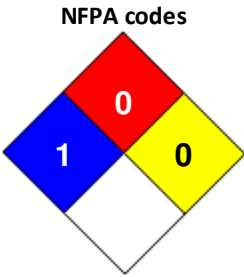
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Causes moderate eye irritation.
Toxic to fish.

16. Other information

Date Prepared: 06/16/2026

HMIS rating		
Health		1
Flammability		0
Physical hazard		0
Personal protection		



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