

SAFETY DATA SHEET

Date issued : 06/16/2026

SDS number : HammerTech Trichlor Shock Granules

HammerTech Solutions Trichlor Shock Granules

1. Identification

Product identifier: HammerTech Solutions Trichlor Shock Granules**Active ingredient(s):** Trichloro-s-triazinetriene**Relevant identified uses:** Swimming Pool Sanitizer and Shock Treatment**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:**

Oxidizing Solids, Category 2

Health hazards:

Acute Toxicity (Oral), Category 4

Acute Toxicity (Inhalation), Category 2 * (See note below **Hazard Statements**)

Skin Corrosion/Skin Irritation, Category 1C

Serious Eye Damage, Category 1

Target Organ Toxicity (Single exposure), Category 3

Environmental hazards:

Acute Hazards to the Aquatic Environment, Category 1

Chronic Hazards to the Aquatic Environment, Category 1

Label elements

Flame over circle



Skull and crossbones



Corrosion



Exclamation mark



Environment

Signal word: DANGER**Hazard statement(s)**

H272: May intensify fire; oxidizer.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

76078CJQ: H330: Fatal if inhaled. * (See note below)

* **NOTE:** This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. *If ground or otherwise in a powdered form*, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

Precautionary statement(s)**Prevention:**

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

P221: Take any precaution to avoid mixing with combustibles...

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P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P273: Avoid release to the environment.
 P220: Keep away from clothing and other combustible materials.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P270: Do not eat, drink or smoke when using this product.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
 P330: Rinse mouth.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P311: Call a POISON CENTER/doctor/...

Disposal:

P501: Dispose of contents/container to ...

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Trichloro-s-triazinetriene	99	87-90-1

Comments: Synonyms: 1,3,5-Trichloro-1,3,5-triazine-2,4,6(1H,3H,5H)-trione; Trichloroisocyanuric Acid

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: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

Ingestion: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Indication of immediate medical attention and special treatment needed, if necessary: Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire-fighting measures

Fire fighting procedures: Extinguish with large amounts of water. Do not use dry chemicals, carbon dioxide or halogenated agents.

Fire fighting equipment: Wear self-contained breathing apparatus in pressure-demand mode and full protective gear.

Hazardous decomposition products: Chlorine, nitrogen trichloride, hydrogen trichloride, nitrogen oxide, and carbon monoxide.

6. Accidental release measures

Small spill: Sweep up spill with a dry broom into suitable container for disposal.

Release notes: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, or oceans Do not flush into surface water or sanitary sewer systems.

Comments: Avoid inhalation and contact with eyes and skin. Use personal protective equipment.

7. Handling and storage

Precautions for safe handling: Wear proper protective equipment in order to avoid contact with eyes or skin. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Use only in area with appropriate

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exhaust ventilation.

Conditions for safe storage: Keep product in tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flame. Do not store with water, oxidizing agents, alkalies, grease, reducing agents and acids. Keep out of reach of children.

Storage temperature: Less than 140.0 degrees F (less than 60.0 C)

Comments: Incompatible Products: Strong oxidizing agents. Strong bases.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Trichloro-s-triazinetriene	OSHA PEL	TWA	Not Established	Not Established
		STEL	Not Established	Not Established
	ACGIH TLV	TWA	Not Established	Not Established
		STEL	Not Established	Not Established
	Supplier OEL	TWA	[1]	[1]
Footnotes: 1. The TLV for Chlorine is 0.5 ppm (1.5 mg/m ³) TWA and 1ppm STEL.				

Appropriate engineering controls: Ventilation systems, eyewash stations, showers.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear chemical safety goggles.

Skin protection - hand protection: Chemical-resistant gloves.

Respiratory protection: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. Acid gas cartridges with N95 filters are required when fumes or vapor may be generated. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

Skin protection - other: Wear impervious long-sleeved clothing to minimize skin contact.

Occupational hygiene practices: When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing.

Comments: Exposure limits for Air Contaminants (OSHA)

Particulates not otherwise regulated: Total dust; TWA 15 mg/m³; Respirable fraction: TWA 5 mg/m³

Exposure Limits for Air Contaminants (ACGIH)

Particulates (insoluble or poorly soluble) - Respirable Particles: TWA 3 mg/m³; Inhalable Particles: TWA 10 mg/m³

9. Physical and chemical properties

Chemical name	Solubility in Water	Specific Gravity
Trichloro-s-triazinetriene	1.28 g/100 mg @ 25 deg C	2.07

Physical state: Solid

Appearance: White to off-white tablet

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Odor: Chlorine-like.**pH:** 2.8**Melting point:** 225°C (437°F) to 230°C (446°F)**Freezing point:** N/A**Initial boiling point and boiling range:** N/A**Flash point:** Not Flammable**Lower explosion limit / flammability limit:** 0**Upper explosion limit / flammability limit:** 0**Vapor pressure:** N/A**Relative vapor density:** N/A**Density:** 17.52 at (68°F)**Relative density:** 2.1**Solubility:** 1.2 g/100 mL at (77°F)

10. Stability and reactivity

Dangerous polymerization: Product will not undergo hazardous polymerization.**Chemical stability:** Stable under recommended storage conditions.**Conditions to avoid:** Protect from moisture. Avoid incompatible products.**Hazardous decomposition products:** Chlorine, nitrogen trichloride, hydrogen chloride, nitrogen oxide, carbon monoxide, carbon dioxide, and nitrogen.**Incompatible materials:** Acid, alkali, other chlorine agents, oils/fats, and flammable materials.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)
Trichloro-s-triazinetrione	1060 to 1010 Rat 490 mg/kg.

Acute dermal toxicity LD₅₀: > 2000 mg/kg - Rabbit**Acute oral toxicity LD₅₀:** 860 mg/kg - Rat**Acute inhalation toxicity LC₅₀:** 0.09 to < 0.29 mg/L (4hr) Rat

Notes: This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. If ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

Germ cell mutagenicity: AMES Test: Negative (*Test substance: monosodium cyanurate*)Mouse Lymphoma Assay: Negative (*Test substance monosodium cyanurate*)

Carcinogenicity

Notes: Not classified as a carcinogen by NTP, IARC or OSHA.**Reproductive toxicity:** Not Available**Specific Target Organ Toxicity - single exposure:** Breathing dust or fumes is expected to be a primary route of exposure. May produce throat and respiratory tract irritation.

12. Ecological information

Aquatic toxicity, both acute and chronic

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96-hour LC₅₀: 0.22 mg/L (Oryzias latipes)

Persistence and degradability: Decomposable in nature.

0% by BOD after 14 days. 7.8% by TOC after 14 days. 5.3% by HPLC after 14 days.

100% in aerobic activated sludge after 8 hours. 100% in anaerobic sludge after 72 hours. 52% - 100% in aerobic activated sludge after 9-23 days.

Bioaccumulative potential: This product is not expected to bioaccumulate.

Comments: Do not dispose of wastes into garbage can or garbage dump. This may cause a fire.

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

RCRA/EPA waste information: If this product becomes a waste, it DOES meet the criteria of a hazardous waste as defined under 40 CFR 261 with the following EPA hazardous waste number: D001

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Trichloroisocyanuric Acid Dry

UN number: UN 2468

Transport hazard class(es): 5.1

Packing group, if applicable: II

NAERG: 140

Hazard label: 5.1 Oxidizer

Special shipping notes: DOT Special Provisions: IB8, IP4, T3, TP33

Packaging Exceptions: 152

Nonbulk: 212

Bulk: 240

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

313 reportable ingredients: No reportable chemicals.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: Not listed

CERCLA rq: Not listed

Reportable spill quantity: N/A (for chlorine RQ=10)

TSCA (The Toxic Substances Control Act)

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

Occupational safety and health administration (osha)

29 cfr1910.119---process safety management of highly hazardous chemicals: CAS No. 87-90-1

Regulations

State regulations: The ingredient for CAS #87-90-1 is listed on the following state lists:

Massachusetts Right To Know Hazardous Substances List

New Jersey Worker and Community Right to Know Act

Pennsylvania Hazardous Substance List

California Proposition 65: Not Applicable

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Clean water act: No regulated ingredients reportable under the Clean Water Act.

Carcinogen: Not Applicable

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 TRICHLOROISOCYANURIC ACID LABEL:

DANGER. Hazards to humans and domestic animals.

Corrosive.

Causes irreversible eye damage or skin burns.

May be fatal if absorbed through skin.

May be fatal if inhaled.

Irritating to nose and throat.

Harmful if swallowed.

Toxic to fish and aquatic organisms.

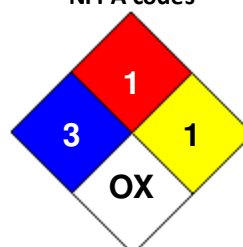
16. Other information

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HMIS rating

Health		3
Flammability		1
Physical hazard		1
Personal protection	F	

NFPA codes



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