

SAFETY DATA SHEET

Date issued : 06/16/2026

SDS number : HammerTech Dichlor Shock Granules

HammerTech Solutions Dichlor Shock Granules

1. Identification

Product identifier: HammerTech Solutions Dichlor Shock Granules

Product description: Swimming Pool Sanitizer/Water Treatment

Active ingredient(s): Sodium Dichloro-s-triazinetriene Dihydrate

Relevant identified uses: Swimming Pool Sanitizer

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

Acute Toxicity (Inhalation), Category 4

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



Corrosion



Exclamation
mark



Environment

Signal word: DANGER

Hazard statement(s)

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

H410: Very toxic to aquatic life with long lasting effects.

H302 + H332: Harmful if swallowed or if inhaled.

Precautionary statement(s)

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P285: In case of inadequate ventilation wear respiratory protection.

4304ZF6P: Wash exposed skin thoroughly after handling.

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

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

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

Response:

P330: Rinse mouth.

P391: Collect spillage.

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

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

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

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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P363: Wash contaminated clothing before reuse.

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

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

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to ...

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Sodium Dichloro-s-triazinetriene Dihydrate	99	51580-86-0

Comments: 55.0 - 56.0% active chlorine

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. Call a poison control center or doctor for treatment advice.

Ingestion: Get medical attention immediately. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so.

Inhalation: Move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.

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

Suitable extinguishing media: Use massive amounts of water. Do not use dry chemicals, carbon dioxide, 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 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. Keep storage room temperature under 40 degrees C. Do not store with water, oxidizing agents, alkalies, grease, reducing agents and acids. Keep out of reach of children.

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

8. Exposure controls/personal protection

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Exposure controls

Control parameters				
		Occupational exposure limit values		
Chemical name	Type		ppm	mg/m ³
Sodium Dichloro-s-triazinetriene Dihydrate	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[2]	[2]
	Supplier OEL	TWA	[3]	[3]
Footnotes: 1. 15 mg/m ³ (total dust) TWA; 5 mg/m ³ (respirable) 8-hr TWA for Particulates Not Otherwise Regulated 2. 3 mg/m ³ (respirable) TWA; 10 mg/m ³ (inhalable) TWA - for Particulates Not Otherwise Classified 3. 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.

Other use precautions: Protective material: Butyl rubber, natural rubber, neoprene, nitrile, polyvinyl chloride (PVC), Tyvek.

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

Physical state: Solid

Appearance: White granular.

Odor: Chlorine

pH: 6.6 (1% solution.)

Melting point: Not Applicable

Freezing point: Not Applicable

Initial boiling point and boiling range: Not Applicable

Flash point: Not Applicable

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

Flammability: Not Available

Vapor pressure: 100

Relative vapor density: Not Available

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Density: 16.69 at (68°F)**Solubility:** 26.25 g/100g at 25°C**Decomposition temperature:** May generate heat at 45 degrees C or higher.**Viscosity:** Not Applicable**Molecular weight:** 255.98

10. Stability and reactivity

Dangerous polymerization: Will not occur.**Chemical stability:** Stable under recommended storage conditions.**Conditions to avoid:** Heat, direct sunlight, water and moisture. (Keep product under 40 degrees C.)**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)	LD ₅₀ (dermal) mg/kg(rabbit)
Sodium Dichloro-s-triazinetriene Dihydrate	1800 mg/kg (rat)	> 5000 mg/kg (rabbit)

Acute dermal toxicity LD₅₀: > 2000 mg/kg - Rabbit**Acute oral toxicity LD₅₀:** 1823 mg/kg - Rat**Notes:** Merck**Acute inhalation toxicity LC₅₀:** 0.27 to 1.17 mg/L (4hr)

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

96-hour LC₅₀: 0.42 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.

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13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Environmentally hazardous substance, solid, n.o.s.

UN number: 3077

Transport hazard class(es): 9

Packing group, if applicable: III

DOT other shipping information: NON-BULK PACKAGING (LESS THAN 400KG): NOT REGULATED UNLESS TRANSPORTED BY VESSEL. BULK PACKAGING OR SHIPMENT BY VESSEL: REGULATED AS NOTED ABOVE.

Special shipping notes: DOT Special Provision #28 states "The dihydrated sodium salt of dichlorisocyanuric acid is not subject to the requirements of this subchapter."

ICAO / IATA - air

UN proper shipping name: Environmentally hazardous substance, solid, n.o.s.

Technical name: UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, PG III

UN number: 3077

Transport hazard class(es): 9

Packing group, if applicable: III

ERG: 9L

Note: Marine Pollutant

IMO / IMDG - International

UN proper shipping name: Environmentally hazardous substance, solid, n.o.s.

Technical name: UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, PG III

UN number: 3077

Transport hazard class(es): 9

Packing group, if applicable: III

EmS: F-A, S-F

Note: Marine Pollutant

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

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

313 reportable ingredients: None.

TSCA (The Toxic Substances Control Act)

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

Regulations

State regulations: Massachusetts Hazardous Substance - Yes

Pennsylvania Hazardous Substance - Yes

California Proposition 65: None of the ingredients are listed as carcinogens.

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.

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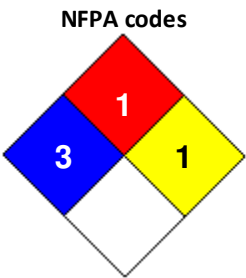
General comments: HAZARD INFO FOUND ON SODIUM DICHLOROISOCYANURIC ACID EPA LABEL:

- Hazards to humans and domestic animals.
- DANGER.** Corrosive.
- Causes irreversible eye damage.
- May be fatal if inhaled. Do not breathe dust
- Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin.
- Strong oxidizing agent.
- Toxic to fish and aquatic organisms.

16. Other information

Date Prepared: 06/16/2026

HMIS rating		
Health		3
Flammability		1
Physical hazard		1
Personal protection	F	



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