

SAFETY DATA SHEET

Date issued : 06/09/2026

SDS number : HammerTech Chitosan Clarifier

HammerTech Solutions Grumpy Dave's Chitosan Clarifier

1. Identification

Product identifier: HammerTech Solutions Grumpy Dave's Chitosan Clarifier**Relevant identified uses:** Clarifier**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

Label elements

This product is not classified as hazardous according to the Globally Harmonized System (GHS)

Precautionary statement(s)**Supplemental label elements:**

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

Emergency overview**Immediate concerns:** May be mildly irritating to eyes. Not likely to be hazardous to skin, respiratory tract, or by ingestion.**Potential health effects****Eye:** May cause mild eye irritation.**Skin:** Non-hazardous to skin.**Ingestion:** Not likely to be hazardous by ingestion.**Inhalation:** Not likely to be hazardous by inhalation.

3. Composition/information on ingredients

Chemical name	% w/w
Proprietary mixture. Non-hazardous according to the Globally Harmonized System.	100

4. First-aid measures

Eye: Rinse opened eye for several minutes under running water.**Skin:** Generally the product does not irritate the skin.**Ingestion:** If symptoms persist, contact a doctor.**Inhalation:** Supply fresh air; consult a doctor in case of complaints.**Indication of immediate medical attention and special treatment needed, if necessary:** No further relevant information available.

5. Fire-fighting measures

General hazard: No further relevant information available.**Suitable extinguishing media:** CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.**Fire fighting equipment:** No special measures required.**Hazardous decomposition products:** None.

6. Accidental release measures

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Environmental precautions

Land spill: Dilute with plenty of water.

General procedures: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Special protective equipment: No special measures required.

7. Handling and storage

Precautions for safe handling: No special handling requirements.

Conditions for safe storage: No special requirements.

Storage temperature: 10°C Minimum to 50°C Maximum

Notes: Product will freeze at -3 deg C. Shelf life is indefinite but viscosity will decrease over time.

8. Exposure controls/personal protection

Individual protection measures, such as personal protective equipment

Eye / face protection: Goggles recommended during refilling.

Skin protection - hand protection: Impermeable and resistant gloves to the material.

Respiratory protection: No respirator is required under normal conditions of use.

Occupational hygiene practices: Handle in accordance with good industrial hygiene and safety practices.

Comments: This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Green liquid.

Odor: Pungent.

pH: < 4.5

Melting point: Undetermined.

Freezing point: N/A

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

Flash point: Not Applicable.

Lower explosion limit / flammability limit: 0

Upper explosion limit / flammability limit: 0

Vapor pressure: 23 hPa (17 mm Hg)

Relative vapor density: N/A

Density: Not Determined.

Relative density: 1 to 1.1

Solubility: Fully miscible.

Viscosity: Not Determined

Comments: Note: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.

10. Stability and reactivity

Conditions to avoid: Freezing temperatures or excess heat (for quality purposes).

Hazardous decomposition products: No decomposition if used according to specifications. No dangerous decomposition products known.

Incompatible materials: No further relevant information available.

11. Toxicological information

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Respiratory or skin sensitization: Non-sensitizer.

Carcinogenicity

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

Comments: The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to the information provided to us.

12. Ecological information

Aquatic toxicity, both acute and chronic: Acute:

- Daphnia LC₅₀ / 1369 mg/L
- Daphnia NOEC / 1000 mg/L
- Fathead minnows LC₅₀ / 642 mg/L
- Fathead minnows NOEC / 500 mg/L
- Rainbow Trout LC₅₀ / 173 mg/L
- Rainbow Trout NOEC / 125 mg/L

Chronic:

- Rainbow Trout LC₅₀ / 154 mg/L
- Rainbow Trout LC₂₅ / 121 mg/L
- Fathead Minnow LC₅₀ / >1000 mg/L
- Fathead Minnow LC₂₅ / 932 mg/L

Bioaccumulative potential: No further relevant information available.

Environmental data: No further relevant information available.

Other adverse effects: Generally non-hazardous for water.

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

General comments: Smaller quantities can be disposed of with household waste.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not Regulated.

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 rq: Not Applicable

TSCA (The Toxic Substances Control Act)

TSCA Status: All components are listed.

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

FIFRA (federal insecticide, fungicide, and rodenticide act): Not regulated.

16. Other information

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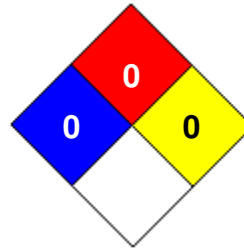
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HMIS rating

Health		0
Flammability		0
Physical hazard		0
Personal protection		

NFPA codes



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