

StarQuat T-50

SECTION 1. IDENTIFICATION

Product Identifier StarQuat T-50
Product Family quaternary ammonium compound
Manufacturer StarChem, LLC, 10150 Greenville Highway, Wellford, SC, 29385, EH&S Dept,
 1-800-677-3500, www.starchemglobal.com
Emergency Phone No. Chemtrec, 1-800-424-9300
SDS No. 0212

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Serious eye damage - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H315 Causes skin irritation.

Precautionary Statement(s):

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P264 Wash hands thoroughly after handling.

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

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

P302 + P352 IF ON SKIN: Wash with plenty of water/

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

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.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor/

P331 Do NOT induce vomiting.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	40% - 60%	

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SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Skin Contact

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention. Wash clothing and shoes before reuse.

Eye Contact

In case of contact, flush eyes with plenty of water for at least 15 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Call a physician immediately.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

All extinguishing media are suitable.

Specific Hazards Arising from the Product

Harmful vapours.

Special Protective Equipment and Precautions for Fire-fighters

Wear a self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Handle in accordance with good industrial hygiene and safety practice.

Environmental Precautions

Avoid release to the environment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods and Materials for Containment and Cleaning Up

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Clean up any spills as soon as possible, using an absorbent material to collect it. Absorb and/or contain spill with inert material, then place in suitable container.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Storage Period

Not Established

Handling/Storage Precautions

Keep away from heat, sparks and open flames. Ground and bond containers and equipment before transferring to avoid static sparks. Avoid inhalation of vapour or mist. Avoid contact with eyes. Avoid contact with skin or clothing. Use

only with adequate ventilation/personal protection. Wash thoroughly after handling. Keep container closed when not in use. Protect from freezing. Stir before using.

Conditions for Safe Storage

Store tightly closed in a dry, cool and well-ventilated place. Protect from freezing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

General dilution and local exhaust as necessary to control airborne vapours, mists, dusts and thermal decomposition products below appropriate airborne concentration standards/guidelines.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Rubber gloves.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear yellow viscous liquid.
pH	4.5 - 7.0 (10% solution)
Flash Point	> 200 °F
Relative Density (water = 1)	0.97 - 0.99
Solubility	Soluble in water

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Heat.

Incompatible Materials

Oxidizing agents, Acids, Bases.

Hazardous Decomposition Products

Carbon monoxide (CO), Carbon dioxide (CO₂), Hydrogen chloride gas, Nitrogen oxides (NO_x).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Harmful if swallowed.

Benzyltrimethylammonium chloride (139-07-1): LD₅₀ Oral Rat = 400 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No information was located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	1760	CORROSIVE LIQUID,N.O.S. (ALKYL DIMETHYLBENZYLAMMONIUM CHLORIDE)	8	II
IATA (Air)	1760	CORROSIVE LIQUID,N.O.S. (ALKYL DIMETHYLBENZYLAMMONIUM CHLORIDE)	8	II
US DOT	1760	CORROSIVE LIQUID,N.O.S. (ALKYL DIMETHYLBENZYLAMMONIUM CHLORIDE)	8	II

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

StarQuat T-50:

SARA Section 311/312 Hazard Classes

Immediate (acute) health hazard

Delayed (chronic) health hazard.

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

Listed on the TSCA Inventory.

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SECTION 16. OTHER INFORMATION

NFPA Rating**Health - 2****Flammability - 1****Instability - 0****Date of Preparation**

March 07, 2016

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