
Material Safety Data Sheet

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05/11/2007

Section 1-Product Information

Product name	Octyltrimethylammonium chloride
Product Cat. No.	C01665

Section 2-Composition / Information on Ingredients

Substance/Preparation:	Substance
Ingredient Name	OCTYLTRIMETHYLAMMONIUM CHLORIDE
CAS No.	10108-86-8
Formula	C ₁₁ H ₂₆ ClN

Section 3- Hazards Identification

Emergency Overview

Caution	Irritating to eyes, respiratory system and skin.
HMIS Rating	
Health	3
Flammability	0
Reactivity	0
NFPA Rating	
Health	3
Flammability	0
Reactivity	0

For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

Oral Exposure	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
Dermal Exposure	In case of contact, immediately wash skin with soap and copious amounts of water.
Eye Exposure	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5- Fire Fighting Measures

Flash Point	Not available
Autoignition Temp	Not available
Flammability	Not available
Extinguishing Media Suitable	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Fire Fighting	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6- Accidental Release Measures

Procedure(s) of Personal Precaution(s)	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Methods for Cleaning up	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material

pickup is complete.

Section 7-Handling and Storage

Handling

User Exposure Do not breathe dust. Avoid contact with eyes, skin, and clothing.

Storage

Suitable Keep tightly closed.
Storage in a cool dry place.

Section 8-Exposure Controls/Personal Protection Equipment

Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective equipment

Respiratory

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.

Other

Hand: Compatible chemical-resistant gloves.
Eye: Chemical safety goggles.

General Hygiene Measures

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9- Physical and Chemical Properties

Appearance

Physical State

Color: White
Form: Fine crystals

Property

Molecular Weight	207.8 AMU
pH	Not available
BP/BP Range	Not available
MP/MP Range	Not available
Freezing Point	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Saturated Vapor Conc.	Not available
SG/Density	Not available
Bulk Density	Not available
Odor Threshold	Not available
Volatile%	Not available
VOC Content	Not available
Water Content	Not available
Solvent Content	Not available
Evaporation Rate	Not available
Viscosity	Not available
Surface Tension	Not available
Partition Coefficient	Not available
Decomposition Temp.	Not available
Flash Point	Not available
Explosion Limits	Not available
Flammability	Not available
Autoignition Temp	Not available
Refractive Index	Not available
Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	Not available

Section 10- Stability and Reactivity

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Stability	
Stable	Stable
Material to Avoid	Strong oxidizing agents
Hazardous Decomposition Products	not known
Hazardous Decomposition Products	Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas, Ammonia.
Hazardous Polymerization	
Hazardous Polymerization	Will not occur

Section 11- Toxicological Information

Route of Exposure	
Inhalation	Material is irritating to mucous membranes and upper respiratory tract.
Multiple Routes:	Causes eye and skin irritation. May be harmful by inhalation, ingestion, or skin absorption.
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12- Ecological Information

No data available.

Section 13- Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
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Section 14- Transport Information

DOT	
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.
IATA	
Non-Hazardous for Air Transport	Non-hazardous for air transport.

Section 15- Regulatory Information

US Classification and Label Text	
US Statements	Indication of Danger: Irritant. Risk Statements: Irritating to eyes, respiratory system and skin. Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.
United States Regulatory information	
SARA Listed	No
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL	No
NDSL	No

Section 16- Other Information

For R&D use only. Not for drug, household or other uses.
 GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.