

## Cetrimonium Chloride

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 23-Dec-2024  
Supersedes: 07-Mar-2022

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Cetrimonium Chloride  
**Synonyms:** No data available  
**INCI Name:** Water, Cetrimonium chloride  
**CAS Number:** 7732-18-5, 112-02-7  
**Formula:** No data available  
**Product Form:** Liquid  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**Classification:**

Acute Toxicity - Oral: Category 4  
Serious Eye Damage/Eye Irritation: Category 1  
Acute aquatic toxicity: Category 1

**Signal Word:**

**DANGER!**

**Hazard Pictograms:**



**Hazard Statements:**

H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H400: Very toxic to aquatic life.  
P410: Protect from sunlight.

**Precautionary Statements:**

P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink, or smoke when using this product.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P310: Immediately call a POISON CONTROL CENTER or doctor/physician.  
P321: Specific treatment  
P330: Rinse mouth.  
P391: Collect spillage.  
P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.  
P332 + P313: If skin irritation occurs: Get medical advice/attention.  
P501: Dispose of contents/container in accordance with local and federal regulations.  
P362+P364: Take off contaminated clothing and wash it before reuse.

**Potential Health Hazards:**

Eyes: Causes serious eye damage.  
Inhalation: May be an irritant.  
Skin: Causes skin irritation.  
Ingestion: Harmful if swallowed

**NFPA Ratings (704):**

Health	2	Moderate
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Water	7732-18-5	65 - 75%	Not Available

Cetrimonium Chloride

112-02-7

25 - 35%

Not Available

## 4 FIRST AID MEASURES

**Eyes:** In case of contact with eyes, rinse thoroughly with plenty of water and seek medical advice. After ingestion summon a doctor immediately.

**Inhalation:** When inhaled, remove to fresh air and seek medical attention. After contact with the skin in case of contact with skin wash off immediately with soap and water.

**Skin:** Remove soiled or soaked clothing immediately.

**Ingestion:** Immediately have the victim drink plenty of lukewarm water to vomit. Get medical advice. If the victim is unconscious, do not induce vomiting and do not give anything into the mouth.

## 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperatures. Use appropriate media (water spray jet, alcohol-resistant foam, dry powder) for adjacent fire. No unsuitable extinguish media listed.

**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**Specific hazards arising from the chemical:** In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO), Nitrous gases (NOx), and Hydrogen chloride (HCl). Heating or fire can release toxic gases. Do not allow run-off from firefighting to enter drains or water courses. See also the Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:** Contain spillage and then collect with non-combustible absorbent material (sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** Advice on safe handling open and handle container with care. Advice on protection against fire and explosion. Observe the general rules of industrial fire protection. See section 8 for recommendations on the use of personal protective equipment.

**Conditions for safe storage, incl. any incompatibilities:** Keep the container tightly closed when not in use. Keep in a cool and dry place. Containers that are opened must be carefully released and kept upright to prevent leakage. The material can be frozen and delaminated at low temperatures in the winter. In case of the product is frozen, use the material after melting at 30-40°C and mixing evenly. Keep away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Cetrimonium Chloride	Not available		

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses must not be worn.

**Inhalation:** Respiratory protection if there is a risk of exposure to high vapor concentration.

**Body:** Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed area with mild soap and water before eating, drinking, smoking, and leaving work.

**Other:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work using plenty of soap and water. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Characteristic	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Clear	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH (10% aq sol'n):</b>	4.0-6.0	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	No data available	<b>Solubility in Water:</b>	Soluble
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient:</b>	3.23	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available

## 10 STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Stable.

**Hazardous Polymerization:** Stable under normal conditions.

**Conditions to Avoid:** No data available.

**Incompatible Materials:** Avoid heat, flames, sparks, other sources of ignition, flammable materials, and oxidizing materials.

**Hazardous Decomposition Products:** Stable under normal conditions.

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** No data available.

**Skin:** (Rat, Dermal) LD50: 2,00 mg/kg. Causes skin irritation.

**Eyes:** Serious eye damage.

**Respiratory:** No data available.

**Ingestion:** (Rat, Oral) LD50: 450mg/kg.

**Carcinogenicity:** No data available.

**Teratogenicity:** No data available.

**Germ Cell Mutagenicity:** No data available.

**Embryotoxicity:** No data available.

**Specific Target Organ Toxicity:** No data available.

**Sensitization:** No data available.

## 12 ECOLOGICAL INFORMATION

**Ecotoxicological Information:** No data available.

**Aquatic Vertebrate:** (Danio rerio) LD50 = 0.59 mg/L 96 hours. EC50 = 0.055 mg/L, 48 hours.

**Aquatic Invertebrate:** (Daphnia magna) NOEC = 0.00415 mg/L, 21 days.

**Terrestrial:** (Selenastrum capricornutum) EC50: = 0.141 mg/L, 96 hours.

**Persistence and Degradability:** Readily biodegradable.

**Bioaccumulative Potential:** BCF = 79

**Mobility in Soil:** No data available.

**PBT and vPvB Assessment:** No data available.

**Other Adverse Effects:** No data available.

**Other Information:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**13 DISPOSAL CONSIDERATIONS**

- Waste Residues:** DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste Characterizations and compliance with applicable laws are the responsibility solely of the waste generator. MAKING COSMETICS HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator, or other thermal destruction device.
- Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

**14 TRANSPORT INFORMATION**

- |   |                                    |
|---|------------------------------------|
| DOT (Dept. of Transportation, USA):               | Regulated.                         |
| TDG (Transportation of Dangerous Goods, Canada):  | Regulated.                         |
| IMDG (International Maritime Dangerous Goods):    | Regulated.                         |
| IATA (International Air Transport Association):   | Regulated.                         |
| ICAO (International Civil Aviation Organization): | Regulated.                         |
| Harmonization Code:                               | 2923.90.0000.1                     |
| UN Number:  | UN1760                             |
| Proper shipping name:                             | Corrosive liquids, n.o.s.          |
| Hazard Class:                                     | 8: Corrosives (Liquids and Solids) |
| Packing group:                                    | III                                |

**15 REGULATORY INFORMATION**

- |                            |  |
|----------------------------|--|
| TSCA Inventory Status:     | Registered. Not subject to TSCA 5(a) SNUR.   |
| Canada (DSL):              | Listed.  |
| European EU (EINECS):      | Listed.  |
| China (IECSC):             | Listed.  |
| Australia (AICS):          | Listed.  |
| Japan (MITI):              | Listed.  |
| Korea (ECL):               | Listed.  |
| New Zealand (NZIoC):       | Listed.  |
| Taiwan (TSCI):             | Listed.  |
| California Proposition 65: | WARNING: This product can expose you to chemicals including residual methyl chloride (74-87-3) and methanol (67-56-1), which are known to the State of California to cause cancer or reproductive toxicity. For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

**16 OTHER INFORMATION**

- Revision Date:** 23-Dec-2024
- Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
- Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.