

Cetrimonium Chloride


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

Revision Date: 23-Jan-2023
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1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Cetrimonium Chloride	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Cetrimonium chloride, Water	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	112-02-7, 7732-18-5	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Acute Toxicity - Oral: Category 4 Serious Eye Damage/Eye Irritation: Category 1 Acute aquatic toxicity: Category 1												
Signal Word:	DANGER!												
GHS Hazard Pictograms:													
GHS 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.												
GHS 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: Not expected to be irritant. Inhalation: Not expected to be irritant. Skin: Not expected to be irritant. Ingestion: Not expected to be irritant.												
NFPA Ratings (704):	<table border="1"> <tr> <td>Health</td> <td>2</td> <td>Moderate</td> </tr> <tr> <td>Flammability</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table>	Health	2	Moderate	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	2	Moderate											
Flammability	1	Slight											
Reactivity	0	Minimal											
Specific Hazard	N/A												

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Cetrimonium Chloride	112-02-7	28-30%	Not Available

Water 7732-18-5 70-72% 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: Use appropriate media (water spray jet, alcohol-resistant foam, dry powder) for adjacent fire.

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.

Flash Points:

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

Appearance:	Liquid	Vapor Pressure:	No data available
Odor:	Characteristic	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Clear	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH (10% aq sol'n):	4.0-6.0	Flash Point:	No data available
Boiling Point:	No data available	Specific Gravity:	No data available
Melting Point:	No data available	Solubility in Water:	Soluble
Relative Density:	No data available	Auto-Ignition Temperature:	No data available
Partition Coefficient:	3.23	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	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: LD50(Dermal): 2,00 mg/kg, Rat
Eyes: Serious eye damage.
Respiratory: No data available
Ingestion: LD50(oral): 450mg/kg, Rat
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
Reproductive Toxicity: No data available
Respiratory/Skin Sensitization: No data available
Sensitization: No data available
Irritation: Causes Irritation
Repeated Dose Toxicity: No data available

12 ECOLOGICAL INFORMATION

Ecotoxicological Information: LD50 = 0.59 mg/L 96h, Danio rerio, EC50 = 0.055 mg/L, 48h, Daphnia magna, NOEC = 0.00415 mg/L, 21d, Daphnia magna, EC50 = 0.141 mg/L, 96h, Selenastrum capricornutum.
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. MAKINGCOSMETICS 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.
DSCL (EEC):	No data available
WHMIS (Canada):	No data available
DSL (Canada):	Unknown.
EU EINECS/ELINCS/NLP:	Unknown.
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	Unknown.
Japan MITI:	Unknown.
Philippines PICCS:	Unknown.
Korea KECI:	Unknown.
New Zealand NZIoC:	No data available
SARA Title III Section 313:	Unknown.
R&D Exemption:	Unknown.
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 www.P65Warnings.ca.gov

16 OTHER INFORMATION

Revision Date: 23-Jan-2023

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.