

SAFETY DATA SHEET

WELINK

Product name: Cetyl trimethyl ammonium chloride (CTAC 30%)
Revision Date: 2008-09-18

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: Cetyl Trimethyl Ammonium Chloride Solution 30% (CTAC 30%)
Application: Cosmetics industry. Container size: 200kg
Supplier: Welink international interprise limited

Tel.: 0086-15327386698

Responsible for safety data sheet authoring:
info@chemicalptc.com

2. HAZARDS IDENTIFICATION

The product is classified: Xn;R22 Xi;R38-R41 N;R50

Human health: Harmful if swallowed. Risk of serious damage to eyes. Irritating to skin.

Environment: Very toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains: Aqueous solution of quaternary ammonium compounds.

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
30	112-02-7	203-928-6	Hexadecyltrimethyl ammonium chloride	Xn;R22 Xi; N;R50	

4. FIRST-AID MEASURES

Inhalation: Inhalation of aerosols: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water. If irritation persists: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

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5. FIRE-FIGHTING MEASURES

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Specific hazards: During fire, gases hazardous to health may be formed. (HCl, NOx)

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid inhalation of spray mist and contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet. For personal protection, see section 8.

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

Methods for cleaning up: Large spillages: Dam and absorb spillage with sand, sawdust or other absorbent.
Small spillages: Absorb spillage with suitable absorbent material.
Flush contaminated area with plenty of water.
For waste disposal, see section 13.

7. HANDLING AND STORAGE

Safe handling advice: Observe good chemical hygiene practices. Avoid inhalation of spray mists and contact with skin and eyes. Immediately change drenched clothing.

Technical measures: Keep the workplace clean. Use work methods which minimise aerosol production.

Technical precautions: Provide easy access to water supply and eye wash facilities.

Technical measures for safe storage: No special precautions.

Storage conditions: Store in closed original container. Do not store near heat sources or expose to excessive temperatures.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Provide adequate ventilation. Minimize the risk of formation of aerosols. An eye wash bottle must be available at the work site.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment

Respiratory equipment: Risk of inhalation of spray mist: Use respiratory equipment with particle filter, type P2. The use of filtering respirators should be limited to max. 3 hours per day.

Hand protection: Wear protective gloves. Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection: Wear goggles/face shield.

Skin protection: Wear suitable protective clothing.

Hygiene measures: Wash hands after contact.

Environmental Exposure Controls: Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid

Odour: Not available

pH: not available

Boiling point: not available

Flash point: not relevant

Explosion limits: not relevant

Solubility: Miscible with: Water and lower alcohols.

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions.

Conditions/
materials to avoid: Heating. Strong oxidising substances.

Hazardous
decomposition products: If heated to more than 200°C, the following substance(s) will be released: Alkyl chlorides. Amines.

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11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of aerosols: May cause irritation to the respiratory system.
Skin contact: Irritating to skin.
Eye contact: Risk of serious damage to eyes. Immediate first aid is necessary.
Ingestion: Harmful if swallowed. May cause nausea, stomach pain and vomiting.
Specific effects: None known.

12. ECOLOGICAL INFORMATION

Mobility: The product is water soluble and may spread in water systems.
Degradability: CTAC 30% < 20ppm
Bioaccumulative potential: Bioaccumulation: Is not expected to be bioaccumulable.
Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste.

Waste from residues: EWC-code: 07 06 07

14. TRANSPORT INFORMATION

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15. REGULATORY INFORMATION

Labelling:

Contains: Hexadecyltrimethyl ammonium chloride

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39	Wear eye/face protection.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

National regulation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (S.I 2002 No. 1689) with amendments.
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

16. OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 10, 11, 12.

Wording of Risk Phrases:

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.