

Material Safety Data Sheet

SECTION 1: Product and Supplier Identification

Product Name: Cetrimonium Chloride 30%

Trade Name: CETAC 30%

INCI: Cetrimonium Chloride

CAS: 112-02-7

EC: 203-928-6

Product Form: Liquid

Recommended Use: Hair conditioners, Cream rinses, Hair masks, Detangling products, Leave-in conditioners Hair treatments, Shampoos & cleansing formulations, other conditioning & surfactant applications

Product Grade: Cosmetic Grade

Origin: USA

Supplier: Botanic Planet Canada Inc.

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SECTION 2 — HAZARD IDENTIFICATION

2.1 Classification

Cetrimonium chloride is a cationic quaternary ammonium surfactant. The hazard classification of the supplied 30% solution must be confirmed against the manufacturer's formulation-specific SDS and the applicable jurisdiction. The ECHA substance database identifies Cetrimonium Chloride as a regulated chemical substance and provides regulatory information for CAS 112-02-7.

2.2 Potential Hazards

May cause:

Eye irritation or serious eye effects

Skin irritation with prolonged or repeated exposure

Irritation following ingestion

Harmful effects to aquatic organisms if released in significant quantities

2.3 Label Elements

Signal Word: Warning

Pictograms:



Hazard Statements:

H302: Harmful if swallowed

H315: Causes skin irritation

H319: Causes serious eye irritation

H401: Toxic to aquatic life

Precautionary Statements:

P264: Wash hands thoroughly after handling.

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

P273: Avoid release to the environment.

P280: Wear protective gloves and eye protection/face protection.

Response P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

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

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

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 attention.

P363: Wash contaminated clothing before reuse.

Disposal

P501: Dispose of contents/container in accordance with local, regional, national and applicable international regulations at an approved waste disposal facility.

2.4 Other Hazards

Spilled material may create a slippery surface.

Avoid uncontrolled release into drains, waterways and the environment.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Approximate Concentration
Cetrimonium Chloride	112-02-7	29–30%
Water / aqueous carrier	7732-18-5	Balance
Active content: Approximately 30.2%.		

SECTION 4 — FIRST-AID MEASURES

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Skin Contact

Remove contaminated clothing. Wash affected skin thoroughly with soap and plenty of water. Seek medical attention if irritation develops or persists.

Inhalation

Move affected person to fresh air. If symptoms such as irritation, coughing or breathing difficulty occur, seek medical attention.

Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if significant quantities are swallowed or symptoms occur.

Most Important Symptoms

Possible irritation of the eyes, skin and gastrointestinal tract.

Medical Attention

Treat symptomatically.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for the surrounding fire:

Water spray

Foam

Dry chemical

Carbon dioxide

Specific Hazards

The aqueous product is not expected to be highly flammable under normal conditions. On heating or combustion, irritating or hazardous decomposition products may be generated.

Hazardous Combustion Products

May include carbon oxides, nitrogen oxides, hydrogen chloride and other irritating decomposition products.

Protective Equipment

Firefighters should wear appropriate protective clothing and, where necessary, positive-pressure self-contained breathing apparatus.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear appropriate personal protective equipment. Avoid contact with eyes and prolonged skin contact.

Environmental Precautions

Prevent significant quantities from entering drains, waterways or soil.

Spill Cleanup

Contain the spill and absorb with suitable inert material.

Collect the absorbed material in suitable, labeled containers for disposal.

Wash the contaminated area with water after removal.

Caution: Product may make surfaces slippery.

SECTION 7 — HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene practices.

Avoid contact with eyes and prolonged or repeated skin contact.

Do not eat, drink or smoke while handling the product.

Wash hands thoroughly after handling.

Storage

Store tightly closed in the original container.

Keep in a cool, dry and well-ventilated area.

Protect from excessive heat and freezing conditions.

Avoid prolonged exposure to direct sunlight.

Incompatible Materials

Avoid strong oxidizing agents and incompatible anionic materials where applicable.

Because Cetrimonium Chloride is a cationic surfactant, compatibility should be evaluated before mixing with anionic surfactants or other negatively charged ingredients.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

No specific occupational exposure limit has been established for the supplied product.

Engineering Controls

Provide adequate ventilation in areas where the product is handled.

Eye Protection

Safety glasses or chemical splash goggles are recommended where splashing may occur.

Skin Protection

Protective chemical-resistant gloves are recommended for prolonged or repeated handling.

Respiratory Protection

Normally not required under normal handling conditions with adequate ventilation. Use suitable respiratory protection if aerosols, mist or decomposition products are generated.

Hygiene Measures

Wash hands thoroughly after handling.

Remove contaminated clothing and wash before reuse.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Information
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Physical State	Liquid
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Appearance @ 25°C	Colorless to light yellow liquid
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Odor	Mild
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Active Matter	30.2%
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pH, 5% Aqueous Solution	3.30
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Free Amine + Free Amine HCl	1.0%
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Water Solubility	Soluble/dispersible in water
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Flash Point	Not determined
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Melting Point	Not determined
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Boiling Point	Not determined
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Density	Not provided
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Viscosity	Not provided
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SECTION 10 — STABILITY AND REACTIVITY

Reactivity

No hazardous reaction is expected under normal conditions of handling and storage.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous polymerization is not expected under normal conditions.

Conditions to Avoid

Avoid:

Excessive heat

Freezing

Direct sunlight

Contact with incompatible chemicals

Incompatible Materials

Strong oxidizing agents and incompatible anionic materials.

Hazardous Decomposition Products

Thermal decomposition may produce carbon oxides, nitrogen oxides, hydrogen chloride and other irritating fumes.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Toxicity

Toxicological effects depend on concentration and exposure route.

Skin Corrosion/Irritation

May cause skin irritation, particularly with prolonged or repeated exposure.

Serious Eye Damage/Eye Irritation

May cause eye irritation and should be prevented from contacting the eyes.

Respiratory Sensitization

No specific information available for the supplied formulation.

Skin Sensitization

No specific sensitization data available for the supplied formulation.

Germ Cell Mutagenicity

No specific information indicating mutagenic effects for the supplied formulation.

Carcinogenicity

No specific carcinogenicity information available for the supplied formulation.

Reproductive Toxicity

No specific information available for the supplied formulation.

STOT — Single Exposure

No specific classification provided without formulation-specific toxicological assessment.

STOT — Repeated Exposure

No specific classification provided without formulation-specific toxicological assessment.

Aspiration Hazard

Not expected to present an aspiration hazard under normal handling conditions.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity

Cetrimonium chloride is a cationic surfactant and releases to the aquatic environment should be minimized.

Persistence and Degradability

Specific data for the supplied formulation should be obtained from the manufacturer.

Bioaccumulative Potential

Specific data for the supplied formulation are not available.

Mobility in Soil

No specific data available.

Other Adverse Effects

Avoid uncontrolled discharge into waterways and wastewater systems.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging in accordance with applicable federal, provincial/state and local regulations.

Do not discharge concentrated product into drains or waterways.

Empty containers should be handled and disposed of according to applicable waste regulations.

SECTION 14 — TRANSPORT INFORMATION

UN Number: To be confirmed

UN Proper Shipping Name: To be confirmed

Transport Hazard Class: To be confirmed

Packing Group: To be confirmed

Marine Pollutant: To be confirmed

Special Precautions: Protect containers from damage, excessive heat and freezing.

Final transport classification must be confirmed against the supplier's formulation-specific transport assessment.

SECTION 15 — REGULATORY INFORMATION

Cetrimonium Chloride

CAS No.: 112-02-7

EC No.: 203-928-6

ECHA identifies Cetrimonium Chloride under CAS 112-02-7 and EC 203-928-6 and maintains regulatory information for the substance.

The final regulatory status of the 30% commercial product depends on the formulation, country of sale, intended use and applicable legislation.

For Canada, the final SDS should be reviewed for compliance with WHMIS 2015 / Hazardous Products Regulations before commercial issuance.

For the European Union, the applicable requirements include REACH and CLP, as applicable.

SECTION 16 — OTHER INFORMATION: NONE

Disclaimer. The information contained in this Safety Data Sheet (SDS) is believed to be accurate and is provided in good faith based on information available at the time of preparation. This SDS is intended solely as guidance for the safe handling, storage, transportation, use, processing, and disposal of the product. This document does not constitute a warranty, representation, or guarantee, whether express or implied, regarding the product's quality, merchantability, fitness for a particular purpose, performance, or safety. The purchaser and user are solely responsible for determining the suitability of the product for their intended application and for ensuring compliance with all applicable federal, provincial/state, and local laws, regulations, and industry standards. Botanic Planet Canada Inc. shall not be liable for any direct, indirect, incidental, consequential, special, or punitive damages arising from or relating to the handling, storage, transportation, use, misuse, processing, or disposal of this product. To the fullest extent permitted by applicable law, any liability of Botanic Planet Canada Inc., whether arising in contract, tort, negligence, strict liability, or otherwise, shall be limited to the purchase price of the product supplied. Any dispute arising out of or relating to the sale, supply, or use of this product shall be governed by and construed in accordance with the laws of the Province of Ontario and the applicable federal laws of Canada, without regard to conflict-of-law principles. The parties irrevocably submit to the exclusive jurisdiction of the courts located in the Province of Ontario, Canada, for the resolution of any such dispute.

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