



Material Safety Data Sheet

22TC

Company/Undertaking Identification

Guangzhou Plant Chain Beauty Technology Co., Ltd.

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Telephone +86-020-31477707

Emergency telephone number

Plantchain: Tel. +86-020-31477707

Manufacturer

Shanghai Zhongxiang Fine Chemical Co., Ltd

Address: Building 3,276, Lane 705, Nanxiang Town, Jiading District, Shanghai

Contact number: 021-59250006

Emergency contact number: 021-59250006

Part 1: Component identification

Trade Name: 22TC

INCI Name: BEHENTRIMONIUM CHLORIDE

Part 2: INGREDIENTS/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
BEHENTRIMONIUM CHLORIDE	17301-53-0	≥80.0
ISOPROPYL ALCOHOL	67-63-0	≤20.0

Part 3: Hazard Identification

Classification of the substance or mixture

Skin irritation, Category 2

Eye irritation, Category 2

Hazardous to the aquatic environment, short-term (Acute) - Category Acute 1



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Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 1

GHS label elements, including precautionary statements

Pictogram(s)



Signal word

Warning

Hazard statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

Prevention

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

Response

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

P321 Specific treatment (see ... on this label).

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

P362+P364 Take off contaminated clothing and wash it before reuse.

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 advice/attention.

P391 Collect spillage.

Storage

none

Disposal

P501 Dispose of contents/container to ...



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Other hazards which do not result in classification: none

Part 4: First Aid Measure

Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms/effects, acute and delayed

no data available

Indication of immediate medical attention and special treatment needed, if necessary

no data available

Part 5: Fire protection measures

Extinguishing media



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Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

no data available

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Part 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Part 7: Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Part 8: Exposure control and personal protection



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Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

Wear dust mask when handling large quantities.

Thermal hazards

no data available.

Part 9: Physical and chemical information

Appearance:

White solid

Odour:

Characterisitic

Color:

White to pale yellowish



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pH (1% soln @25°C):	6.0-8.0
Melting Point/Freezing Point :	75-90°C
Initial Boiling Point / Boiling Range:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability:	Not applicable
Upper/Lower Flammability or Explosive Limits:	Not applicable
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Relative Density:	Not applicable
Solubility:	Dissolves in alcohol and warm water
Partition Coefficient: N-Octanol/Water:	Not applicable
Auto-Ignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Viscosity:	Not applicable

Part 10: Stability and reactivity

Reactivity: Stable under normal temperature and pressure. Stable under recommended storage and handling conditions.

Chemical Stability: Stable in normal conditions.

Possibility of Hazardous Reactions: Not applicable

Conditions to Avoid: Contact with moisture and/or water causing lump situation.

Incompatible Materials: Strong oxidants, strong acids, strong alkali

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives. Thermal degradation may also produce oxides of silicone.



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Part 11: toxicological information

Information about possible contact routes

Skin irritation: No adverse effects from skin contact are expected.

Eye irritation: Causes eye irritation.

Symptoms associated with physical, chemical, and toxicological features: Exposed individuals may encounter torn eyes, redness, and discomfort

Information on the toxicological impact

LD50: rat > 2,000 mg / kg

Skin corrosion / irritation: Prolonged skin contact may result in temporary irritation.

Germ cell mutability: No data indicate that the product or any component present greater than 0.1% is mutagenic or genotoxic

Carcinogenic: not applicable.

Part 12: Ecological information

Ecological toxicity is toxic to aquatic organisms.

It is harmful to aquatic life and has long-term and lasting effects.

Eliminate information (persistence and degradability)

Biodegradability: According to the OECD criteria, the product is not easy to biodegradation.

Eco-toxic effect

Toxicity to fish: LC50 species: Brachydanio rerio.

Dose: 0,5 mg / l. Exposure time: 96h.

Methods: The Economic Cooperation Organization 203.

Further ecological information on

Note: Access to soil, waterways or effluent channels is not allowed.

Part 13: Disposal precautions

Product



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In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste incineration plant.

Contaminated packaging

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

Part 14: Transportation information

Land transport

ADR:

Class 4.1

Packaging group II

Orange plate Hazard no.: 40

Substance number: 3175

Description of the goods 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

Label 4.1 danger of fire (flammable solid)

RID:

Class 4.1

Packaging group II

Orange plate Hazard no.: 40

Substance number: 3175

Description of the goods 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

Label 4.1 danger of fire (flammable solid)

- Inland navigation transport

ADNR:

Class 4.1

Item F1

Description of the goods 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

Label 4.1 danger of fire (flammable solid)



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- Sea transport

IMDG:

Class	4.1
Packaging group	II UN-No: 3175
EmS	F-A S-I
Correct technical name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Label	4.1 flammable solid

- Air transport

ICAO/IATA:

Class	4.1
Packaging group	II UN-No: 3175
Correct technical name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Label	4.1 flammable solid

Part 15: Regulatory information

15.1 Safety, health and environmental regulations / laws specific to this substance

European Union regulations

-Regulation (EC) No.1272 / 2008

Classification: Unclassified

Risk phrase: Uncategorized

Safety Phrase: Uncategorized

-List of Existing Commercial chemicals in Europe (EINECS):

BEHENTRIMONIUM CHLORIDE: 17301-53-0

ISOPROPYL ALCOHOL: 67-63-0

The EU Authorization List: Unregulated

List of EU restrictions: Unregulated

International regulations

-INCI (International Nomenclature for cosmetic composition):



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BEHENTRIMONIUM CHLORIDE; antistatic agent, hair conditioner, surfactant

Isopropanol: Moisturizer, solvent

-The Council of the International Chemical Association (ICCA) HPV Chemicals Program: Unregulated

-OECD / High Production Rate (HPV) Chemicals Program: Unregulated

-Rotterdam Convention: Unregulated

-The Stockholm Convention on persistent organic pollutants: Unregulated

-The Montreal Protocol: Unregulated

15.2 Chemical Safety Assessment: Chemical safety assessment has been conducted for the following items:

This substance / mixture is provided by the supplier.

Part 16: Other information

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. It is provided without any warranty. It is the user's responsibilities to observe and comply with applicable products or information mentioned herein