

# FICHA TÉCNICA

BTMS-50

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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- a. Product name : **BTMS50**
- b. Recommended use of the chemical and restrictions on use :
  - . Recommended use : Cosmetic, Hair conditioner
  - . Restrictions on use : NO DATA
- c. Information on manufacture/supplier/distributor
  - . Company name :
  - . Address :
- d. Emergency telephone

## 2. HAZARDS IDENTIFICATION

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- a. Hazard classification
  - Skin Corrosion / Irritation Hazard Category 2
  - Serious Eye Damage / Irritation Hazard Category 1
  - Specific target organ toxicity (Repeated exposure) Category 2
  - Acute hazards to the aquatic environment Category 1
  - Chronic hazards to the aquatic environment Category 2

- b. Label elements including precautionary statements

- . Pictograms



- . Signal words : **DANGER**
- . Hazard statements
  - H315 Causes skin irritation
  - H318 Causes serious eye damage.
  - H373 May causes damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

. Precautionary statements

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling

P273 Avoid release to the environment.

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

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

P302+352 IF ON SKIN : Wash with plenty of water

P321 Specific treatment (see first aid instructions on this label).

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

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

P310 Immediately call a POISON CENTER or doctor

P391 Collect spillage.

P314 Get medical advice/attention if you feel unwell.

Storage

Not applicable

Disposal

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with local/regional/national/international regulations (to be specified).

c. Other hazards which do not result in classification

No data

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical name Common name and synonym CAS NO. CONTENTS(%)

Behenyl trimethylammonium  
Behenyltrimonium methosulfate 81646-13-1 45 - 55  
methosulfate

Cetyl alcohol 1-hexadecanol 36653-82-4 45 - 55

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### 4. FIRST AID MEASURES

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a. Eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

**b. Skin contact**

In case of contact with skin wash off immediately with soap and water

Remove soiled or soaked clothing immediately

Seek medical assistance if discomfort continues

**c. Inhalation**

Remove the casualty into fresh air and keep him calm.

In the event of symptoms seek medical advice.

**d. Ingestion**

Summon a doctor immediately.

**e. Notes for physicians**

Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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**a. Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media : water spray jet, alcohol-resistant foam

Unsuitable extinguishing media : carbon dioxide, dry powder, strong water jet

**b. Specific hazards arising from the chemical (e.g hazardous combustion products)**

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Nitrous gases (NO<sub>x</sub>), Sulphur trioxide (SO<sub>3</sub>)

**c. Special protective equipment and precautions for fire-fighters**

Use self-contained breathing apparatus

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## 6. ACCIDENTAL RELEASE MEASURES

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**a. Measures required for personal and protective equipment**

Wear suitable personal protective equipment.

Ensure adequate ventilation.

Keep away sources of ignition.

**b. Measures required for environment protection**

Do not allow to enter drains or waterways

**c. Clean-up and removal method**

Pick up mechanically. Rinse away rest with warm water.

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## 7. HANDLING AND STORAGE

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a. Precautions for safe handling

Open and handle container with care.

Provide good ventilation when handling large quantities.

Take precautionary measures against electrostatic loading.

Do not inhale vapours.

Avoid contact with eyes and skin.

b. Conditions for safe storage (including incompatibilities)

Store in a cool and dry place.

Keep package tightly closed when not in use.

Please note that there is a risk of absorption.

Store at 0~40°C.

c. Advice on protection against fire and explosion

The product is not highly flammable.

Take precautionary measures against electrostatic charging. In order to avoid electrostatic charging, do not roll or drag the drum, After transportation, the container should be allowed to stand for one hour before opening, thus allowing sufficient time for charge relaxation in the container.

Flammable solvent vapours may collect in the vapour spaces of closed containers. Keep away from fire and other sources of ignition.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

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a. Exposure limits of the chemical substance, biological exposure limits and etc.

Exposure Limit(s)

Permissible Exposure Limits (PELs): N.A

Threshold Limit Value (TLVs): N.A

b. Appropriate engineering controls

Adequate ventilation to avoid chronic inhalation of dust.

c. Personal protective equipment

. Protection of respiratory system

Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure

Full mask to standard DIN EN 136

Filter A (organic gases and vapours) to standard DIN EN 141

The use of filter apparatus presupposes that the environment atmosphere contains at least 17% oxygen by volume, and does not exceed the maximum gas concentration, usually 0.5% by volume. Relevant guidelines to be considered include EN 136/141/143/371/372 as well as other national regulations

. Eye protection

Depending on the risk, wear sufficient eye protection (safety glasses with side protection or goggles, and if necessary, face shield.)

For details, see the BG-rules number 192

. Hand protection

For long-term exposure: Butyl rubber gloves.

For short-term exposure (splash protection): Nitrile rubber gloves.

Use suitable Gloves

. Body protection

Use suitable boots, apron, clothes

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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- a. Appearance Solid
  - b. Odor characteristic odor
  - c. Odor threshold No data
  - d. pH 5.5 ~ 8.5 (2% IPA/H<sub>2</sub>O soln.)
  - e. Melting point/freezing point 85~95°C
  - f. Initial boiling point/boiling range No data
  - g. Flash Point No data
  - h. Evaporation rate No data
  - i. Flammability(solid,gas) No data
  - j. Upper/lower flammable or explosive limits No data
  - k. Vapor Pressure No data
  - l. Solubility (water) 0.007g/l(25°C)
  - m. Vapor Density No data
  - n. Specific gravity No data
  - o. Partition coefficient/n-octanol/water No data
  - p. Auto-ignition temperature No data
  - q. Decomposition Temperature No data
  - r. Viscosity not available
  - s. Molecular Weight 504.4
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## 10. STABILITY AND REACTIVITY

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a. Chemical stability and possibility of hazardous reactions

This material is stable under recommended storage and handling conditions.

b. Conditions to avoid

Avoid heat, flames, sparks and other sources of ignition.

c. Incompatible materials

Flammable materials, oxidizing materials.

d. Hazardous decomposition products

Oxides of carbon, nitrogen.

## 11. TOXICOLOGICAL INFORMATION

a. Information on the likely routes of exposure

. Respiratory system : No data

. Oral : No data

. Eye : eye damage

. Skin : irritating

b. Information on health hazards

Cetyl alcohol  
ammonium chloride

Behenyl trimethyl

Acute toxicity  
>2,000 mg/kg bw

Oral(LD50) 3,190 mg/kg bw, rat

Rat

Dermal(LD50) No data No data

Inhalation(LD50) No data No data

Skin corrosion/irritation Irritating Not Irritating  
caused irreversible

Serious eye damage/ irritation Not Irritating  
effects on the rabbit eye

Respiratory sensitization No data No data

Skin sensitization No data Not sensitising

Carcinogenicity Not applicable No data

Germ cell mutagenicity No data No data

Reproductive toxicity No data Negative

Specific target organ  
No data No data  
toxicity (single exposure)  
May cause damage to

Specific target organ gastrointestinal tract

No data  
toxicity (repeated exposure) through prolonged or  
repeated exposure.

Aspiration hazard No data No data

## 12. EFFECTS ON THE ENVIRONMENT

a. Ecotoxicity :

Fish	Behenyl trimethyl ammonium chloride LC50 0.05-1mg/L, 96h, Danio rerio(Read-across)	Cetyl alcohol LC50 >0.4mg/L, 96h, Oncorhynchus mykiss
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Aquatic Invertebrates	EC50 1.39mg/L, 48h, Daphnia magna(Read-across)	No data
Algae and cyanobacteria	EC10 0.78mg/l, 72h, Desmodesmus subspicatus (Read-across)	EL50 690mg/l, 96h, Desmodesmus subspicatus

b. Persistence and degradability

No data

c. Bioaccumulation

No data

d. Mobility in Soil : No data

e. Other adverse effects : No data

### 13. DISPOSAL CONSIDERATIONS

a. Disposal methods

Dispose in accordance with all applicable federal, state and local laws and regulations.

b. Precautions for disposal (Including the disposal method of contaminated container and packages)

Dispose in accordance with all applicable federal, state and local laws and regulations.

### 14. TRANSPORT INFORMATION

UN Number Not applicable  
 Proper Shipping Name Not applicable  
 Transportation Class Not applicable  
 Packing Group Not applicable  
 Marine Pollutant Not applicable

Follow all regulations in your country or region.

### 15. REGULATORY INFORMATION

Inventory Information

Behenyl trimethyl  
 Cetyl alcohol  
 ammonium chloride

Australia(AICS) Listed Listed  
 China(IECSC) Listed Listed  
 Canada(DSL) Listed Listed  
 Europe(EINECS) Listed Listed  
 Japan(ENCS) Not Listed Listed  
 Korea(ECL) Not Listed Listed  
 New Zealand(NZIoC) Listed Listed  
 USA(TSCA) Not Listed (For Cosmetic Listed

Use Only. TSCA uses are

prohibited.)  
Taiwan(TCSI) Listed Listed

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## 16. OTHER INFORMATION

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### a. Sources of reference materials

EUROPEAN CHEMICALS AGENCY(ECHA)

C&L Inventory

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

Jun.25.1996

### b. The first date of preparation :

### c. Number of revision times and the latest revision date

. Revision times : 8

. The latest revision date : May. 01, 2018

. Revision of section : 1, 3, 7, 11, 12, 15

### d. Others

The above 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 process.

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.

However, it does not represent any guarantee of the properties of the product (product specification).

It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use.