



Material Safety Data Sheet

DioKat® BTMS

Company/Undertaking Identification

Guangzhou Plant Chain Beauty Technology Co., Ltd.

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Emergency telephone number

Plant Chain: 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: DioKat® BTMS

INCI Name: BEHENTRIMONIUM METHOSULFATE

Part 2: INGREDIENTS/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
BEHENTRIMONIUM METHOSULFATE	81646-13-1	≥80.0
ISOPROPANOL	67-63-0	≤9.0
WATER	7732-18-5	≤11.0

Part 3: Hazard Identification

Classification of the substance or mixture



Skin irritation, Category 2

Serious eye damage, Category 1

Specific target organ toxicity – repeated exposure, Category 2

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

Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 2

GHS label elements, including precautionary statements

Signal word

Danger

Hazard statement(s)

H315 Causes skin irritation

H318 Causes serious eye damage

H373 May cause damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life

H411 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.

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

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.

P310 Immediately call a POISON CENTER/doctor/...

P314 Get medical advice/attention if you feel unwell.

P391 Collect spillage.

Storage

none



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Disposal

P501 Dispose of contents/container to ...

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

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.



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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

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



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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:	Pellet
Odour:	Characterisitic
Color:	White to pale yellowish
pH (1% soln @25°C):	5.0-9.0
Melting Point/Freezing Point :	75 -95 °C
Initial Boiling Point / Boiling Range:	Not applicable
Flash Point:	>100°C (open cup)
Evaporation Rate:	Not applicable
Flammability:	Not applicable



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Upper/Lower Flammability or Explosive Limits:	Not applicable
Vapour Pressure:	Not applicable
Vapour Density:	>1 (Air=1)
Relative Density:	0.87 at 70 oC (water=1)
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.

Part 11: toxicological information

Acute oral toxicity: LD50 Species: rat, Dose: >2,000mg/kg

Skin irritation: Non-irritant.

Eye irritation: Risk of serious damage to eyes.

Note:

By analogy with a product of similar composition. Risk of Serious damage to eyes.



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Part 12: Ecological information

Elimination information (persistence and degradability)

Biological degradability: The product is not readily biodegradable according to OECD criteria.

Ecotoxicity effects

Toxicity to fish:

LC50 Species: Brachydanio rerio.

Dose: 0,5 mg/l.

Exposure time: 96 h.

Method: OECD 203.

Further ecological information

Remarks:

Do not allow to enter soil, waterways or waste water canal.

The product is considered to be a water pollutant (German law).

Part 13: Disposal precautions

Product

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

Not classified as transportation hazard.

HMIS score: 4=limit, 3=high, 2=medium, 1=slight, 0=insignificant

HP: 1 Flammability: 0 Reactivity: 0



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Part 15: Regulatory information

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

EU regulations

-Regulation (EC) No. 1272/2008

Category: Uncategorized

Risk phrase: unclassified

Security Phrases: Uncategorized

-European List of Existing Commercial Chemical Substances (EINECS):

C18-22 trimethylammonium methyl sulfate: 279-791-1

Isopropyl alcohol: 67-63-0

-EU authorization list: not regulated

-EU restricted list: not regulated

International regulations

-INCI (International Nomenclature of Cosmetic Ingredients):

C18-22 trimethylammonium methyl sulfate; antistatic agent, hair conditioner, surfactant

Isopropyl alcohol: humectant, solvent

-International Council of Chemical Associations (ICCA) HPV Chemicals Program: Not regulated

-OECD/High-Volume (HPV) Chemical Program: Unregulated

-Rotterdam Convention: Not regulated

-Stockholm Convention on Persistent Organic Pollutants: not regulated

-Montreal Protocol: Not regulated

15.2 Chemical safety assessment: A chemical safety assessment has been carried out 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