

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758

BTMS-50

Version 2.0	Revision Date: 19.05.2023	Product code: HA41122	Date of last issue: 16.12.2022 Date of first issue: 16.12.2022	Print Date : 08.06.2023
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : BTMS-50
INCI Name : Behentrimonium Methosulfate (and) Cetyl Alcohol (and) Butylene Glycol

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the
Substance/Mixture : Personal care

1.3 Details of the supplier of the safety data sheet

Company : AROMA TRADING LIMITED
Unit 3 Quatro Park,
Tanners Drive, Milton
Keynes MK14 5FJ
ENGLAND

Telephone : + 44 (0) 1908 334100

Telefax : + 44 (0) 1908 211376

E-mail address : sales@aromatrading.com

1.4 Emergency telephone number

Emergency telephone number : USA: 24 Hour Emergency Response Information CHEMTREC
toll free: 1-800-424-9300; direct/international: 1-703-527-3887.
CANADA: GFL 1-877-898-7222. EUROPE: 00 32 3575 5555.
ASIA PACIFIC - excl. China: +65 6542-9595. CHINA: +86 816-
635 2206. AUSTRALIA: +61 2 7808 3390. SOUTH AFRICA:
+32 3 575 55 55. BRASIL: Ambipar 0800 117 2020. LATAM:
Suatrans (+55) 11 98149-0850 / (+55) 19 3833-5300.
COLOMBIA: +312 586 2890 / 310 588 1555. INDIA: +91 22
30948601/2. JAPAN: +65 6542 9595 (24 時間日本語対 応
無料通話, シンガポール). TÜRKIYE: Sağlık Bakanlığı
Ulusal Zehir Merkezi 114

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Skin irritation, Category 2
Serious eye damage, Category 1
Specific target organ toxicity - repeated exposure, Category 2
Short-term (acute) aquatic hazard, Category 1
Long-term (chronic) aquatic hazard, Category 2

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.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal word :

Danger

Hazard statements :

H315 Causes skin irritation.
H318 Causes serious eye damage.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P260 Do not breathe dust.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P391 Collect spillage.

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Hazardous components which must be listed on the label:
docosyltrimethylammonium methyl sulphate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
docosyltrimethylammonium methyl sulphate	81646-13-1 279-791-1 01-2119949051-44-0004	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	>= 50 - < 70

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- If inhaled : If breathed in, move person into fresh air.
If symptoms persist, call a physician.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
If symptoms persist, call a physician.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : If swallowed, call a poison control centre or doctor immediately.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms : None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : None known.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Do not allow run-off from fire fighting to enter drains or water courses.

In case of fire hazardous decomposition products may be produced such as:

Carbon oxides
Nitrogen oxides (NO_x)
Hydrogen chloride gas

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.

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Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform
respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

None.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Handle in accordance with good industrial hygiene and safety
practice.

Advice on protection against
fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety
practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage
areas and containers : Store in original container. Keep container tightly closed in a
dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Further information on
storage stability : Keep in a dry place.
Stable under recommended storage conditions.

7.3 Specific end use(s)

Specific use(s) : Personal care

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

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Eye protection	:	Tightly fitting safety goggles
Hand protection	:	
Remarks	:	Impervious gloves
Skin and body protection	:	Impervious clothing
Respiratory protection	:	In the case of dust or aerosol formation use respirator with an approved filter.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	Wax like, solid
Colour	:	No data available
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	4.5 - 7.0 Concentration: 3
Melting point	:	81.5 - 82.7 °C
Boiling point	:	No data available
Decomposition temperature	:	No data available
Flash point	:	> 155 °C
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density	:	Not applicable
Relative density	:	No data available
Density	:	0.5781 - 0.5833 g/cm ³
Solubility(ies)	:	
Water solubility	:	dispersible
Solubility in other solvents	:	not determined

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Partition coefficient: n-
octanol/water : No data available
Auto-ignition temperature : Not applicable
Viscosity
Viscosity, dynamic : No data available
Viscosity, kinematic : Not applicable
Explosive properties : No data available
Oxidizing properties : No data available

9.2 Other information

Particle size : No data available
Particle Size Distribution : No data available
Self-ignition : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products

No data available

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : No data available:
Acute dermal toxicity : No data available:

Components:

docosyltrimethylammonium methyl sulphate:

Acute oral toxicity : LD50 Oral (Rat, female): 3,190 mg/kg
Method: OECD Test Guideline 401
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): 4,350 mg/kg
Method: OPPTS 870.1200
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Skin corrosion/irritation

Product:

Species : Rabbit
Exposure time : 24 h
Result : slight irritation
GLP : yes
Test substance : 25%
Remarks : Information given is based on data obtained from similar substances.

Components:

docosyltrimethylammonium methyl sulphate:

Assessment : Irritating to skin.

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Serious eye damage/eye irritation

Product:

Remarks : No data available

Components:

docosyltrimethylammonium methyl sulphate:

Species : Rabbit
Assessment : Corrosive
Result : Irreversible effects on the eye

Respiratory or skin sensitisation

Product:

Species : Humans
Method : Patch Test on humans.
Result : Does not cause skin sensitisation.
GLP : yes
Test substance : 25%
Remarks : Patch Test on humans.
Information given is based on data obtained from similar substances.

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: Metabolic activation
Result: negative
GLP: yes
Test substance: 25%
Remarks: Information given is based on data obtained from similar substances.

Test Type: Ames test
Test system: Escherichia coli
Metabolic activation: Metabolic activation
Result: negative
GLP: yes
Test substance: 25%
Remarks: Information given is based on data obtained from similar substances.

Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster ovary cells

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Metabolic activation: Metabolic activation
Result: negative
GLP: yes
Test substance: 25%
Remarks: Information given is based on data obtained from
similar substances.

Carcinogenicity

Product:

Carcinogenicity - Assessment : No data available

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : No data available

STOT - single exposure

Product:

Assessment : No data available

STOT - repeated exposure

Product:

Assessment : No data available

Components:

docosyltrimethylammonium methyl sulphate:

Assessment : May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

docosyltrimethylammonium methyl sulphate:

: 10
NOAEL : mg/kg/day
Remarks : Information given is based on data obtained from similar substances.

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Aspiration toxicity

Product:

No data available

Further information

Product:

Remarks : Information given is based on data obtained from similar substances.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data available

Components:

docosyltrimethylammonium methyl sulphate:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: Expected to be biodegradable only at low concentrations or when its germicidal action has been effectively neutralised.

Components:

docosyltrimethylammonium methyl sulphate:

Biodegradability : Test Type: (OECD 301B)
Inoculum: activated sludge
Concentration: 0.2 mg/l
Biodegradation: 80 %
Exposure time: 28 d
Remarks: Readily biodegradable
Information given is based on data obtained from similar substances.

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12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

docosyltrimethylammonium methyl sulphate:

Partition coefficient: n-
octanol/water : log Pow: 3.01 (20 °C)
Method: OECD Test Guideline 107

12.4 Mobility in soil

Product:

Distribution among
environmental compartments : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Environmental fate and
pathways : None.

Endocrine disrupting
potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological
information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.

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Do not re-use empty containers.
Empty containers should be taken to an approved waste
handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

ADR : UN 3077
RID : UN 3077
IMDG : UN 3077
IATA : UN 3077

14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(docosyltrimethylammonium methyl sulphate)
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(docosyltrimethylammonium methyl sulphate)
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(docosyltrimethylammonium methyl sulphate)
IATA : Environmentally hazardous substance, solid, n.o.s.
(docosyltrimethylammonium methyl sulphate)

14.3 Transport hazard class(es)

ADR : 9
RID : 9
IMDG : 9
IATA : 9

14.4 Packing group

ADR
Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (-)
RID
Packing group : III

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Classification Code : M7
Hazard Identification Number : 90
Labels : 9

IMDG

Packing group : III
Labels : 9
EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

IATA (Passenger)

Packing instruction (passenger aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

The components of this product are reported in the following inventories:

REACH	: Registered for import by authorised entities only.
AICS	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL

15.2 Chemical safety assessment not required

SECTION 16: Other information

Full text of H-Statements

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.

Full text of other abbreviations

Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Skin Irrit.	: Skin irritation
STOT RE	: Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System;

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GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the mixture:

Skin Irrit. 2	H315
Eye Dam. 1	H318
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Classification procedure:

Calculation	method
Calculation	method
Calculation	method
Calculation	method
Calculation	method

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product.

The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Bay House Ingredients®, Bay House Aromatics® & Soapmakers Store are Divisions Aroma Trading Ltd, Registered No. 02698381, V.A.T. Registration No. 600 516 981 and shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.