

Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: BTMS 25
CAS number: 81646-13-1 / 241148-21-0 & 67762-27-0 / 8005-44-5
EINECS number: 279-791-1 & 267-008-6 / -
INCI name: Behentrimonium Methosulfate, Cetearyl Alcohol

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

Identified uses: Industrial use.
Uses advised against: None known.

1.3. Details of the supplier of the safety data sheet

Company name: Bath and Body Base Ltd
2A Laurel Way
Bishop Auckland
Co. Durham
DL14 7NF
Tel: 07493 064263
Email: technical@bathandbodybase.com

1.4. Emergency telephone number

Emergency tel: 07493 064263

Section 2: Hazards identification

2.1. Classification of the substance or mixture


The product has been classified according to the legislation in force.

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

Health hazards: Skin irritation: Category 2 - H315: Causes skin irritation.
Serious eye damage: Category 1 - H318: Causes serious eye damage.
Specific Target Organ Toxicity - repeated exposure - Category 2 - H373: May cause damage to organs through prolonged or repeated exposure.

Environmental hazards: Acute hazards to the aquatic environment - Category 1 - H400: Very toxic to aquatic life.
Chronic hazards to the aquatic environment - Category 2 - H411: Toxic to aquatic life with long lasting effects

2.2. Label elements

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.
Signal words:	Danger
Hazard pictograms:	
Precautionary statements - prevention:	P260: Do not breathe dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - response:	P302+P352: IF ON SKIN: Wash with plenty of soap and water. 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 or doctor/physician. P314: Get medical advice/attention if you feel unwell.
Hazardous ingredients which must be listed on the label:	Docosyltrimethylammonium methyl sulphate

2.3. Other hazards

PBT/vPvB data:	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.
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Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity:	Preparation of alkyltrimethylammonium methyl sulphate
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3.2. Mixtures

Chemical Name	Concentration	CAS No.	EC No.	REACH Registration No.	M-Factor
Docosyltrimethylammonium methyl sulphate	25 - <50%	81646-13-1	279-791-1	01-2119949051-44	Aquatic Toxicity (Acute): 1

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification:	Docosyltrimethylammonium methyl sulphate Classification: Skin Irrit.: 2: H315; Eye Dam.: 1: H318; STOT RE: 2: H373; Aquatic Acute: 1: H400; Aquatic Chronic: 2: H411
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Supplemental label information: None known.

The full text for all H-statements is displayed in Section 16.

Section 4: First aid measures

4.1. Description of first aid measures

General advice:	Remove contaminated clothing.
Skin contact:	In case of contact with skin wash off immediately with plenty of water. If skin irritation persists, call a physician.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion:	Thoroughly clean the mouth with water. Do not induce vomiting. Call for medical advice immediately; show this safety data sheet.
Inhalation:	Fresh air supply, consult a doctor if feeling unwell.
Personal protection for first-aid responders:	No data available.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms:	No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.
Hazards:	No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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Section 5: Fire-fighting measures

General fire hazards:	Cool endangered containers with water spray jet. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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5.1. Extinguishing media

Suitable extinguishing media:	Foam, carbon dioxide, dry powder, water spray.
Unsuitable extinguishing media:	High volume water jet.

5.2. Special hazards arising from the substance or mixture

Special hazards:	In the event of fire, the following can be released: Carbon dioxide, carbon monoxide - Sulphur oxides - Nitrogen oxides (NOx). Under certain conditions of combustion traces of other toxic substances cannot be excluded.
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5.3. Advice for fire-fighters

Special fire-fighting procedures:	Keep away from sources of ignition - no smoking. Take action to prevent static discharges.
Special protective equipment for fire-fighters:	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions:	Use personal protective equipment. Keep away from sources of ignition - no smoking. High risk of slipping due to leakage/spillage of product Ensure adequate ventilation.
For non-emergency personnel:	No data available.
For emergency responders:	No data available.

6.2. Environmental precautions

Environmental precautions:	Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.
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6.3. Methods and material for containment and cleaning up

Clean-up procedures:	Use mechanical handling equipment. Dispose of absorbed material in accordance with the regulations.
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6.4. Reference to other sections

Reference to other sections:	Refer to Section 8 and 13.
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Section 7: Handling and storage

7.1. Precautions for safe handling

Technical measures:	No data available.
Local/total ventilation:	No data available.
Safe handling advice:	Avoid contact with skin and eyes. Do not inhale vapours or dust. Handle and open container with care. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid dust formation.
Contact avoidance measures:	No data available.

7.2. Conditions for safe storage, including any incompatibilities

Safe storage conditions:	Keep container tightly closed and dry in a cool, well ventilated place. Protect against direct sunlight. Product is hygroscopic. Keep at temperature not exceeding 40°C. Store in original container.
Safe packaging materials:	No data available.

7.3. Specific end use(s)

Specific end use(s):	No further recommendations.
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Section 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:	None of the components have assigned exposure limits.
Biological limit values:	No biological exposure limits noted for the ingredient(s).
DNEL-values:	

Critical Component	Type	Route of Exposure	Health Warnings	Remarks
Docosyltrimethylammonium methyl sulphate	Workers	Derma	Systemic, long-term; 3mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 0.6mg/m ³	Repeated dose toxicity
	Workers	Eyes	Local effect	Medium hazard (no threshold derived)
	General population	Eyes	Local effect	No hazard identified

PNEC-values:

Critical Component	Environmental Compartment	PNEC-Values	Remarks
Docosyltrimethylammonium methyl sulphate	Aquatic (fresh water)	13µg/l	
	Sediment (fresh water)	1.25mg/kg	
	Sewage treatment plant	430µg/l	
	Predator	6.7mg/kg	Oral
	Soil	1mg/kg	
	Sediment (marine water)	0.125mg/kg	
	Aquatic (marine water)	1.3µg/l	

8.2. Exposure controls

Appropriate engineering controls: No data available.

Individual protection measures, such as personal protective equipment:

Respiratory protection: In case of formation of vapours/dusts: Use respiratory equipment with particle filter, type P2.

Hand protection: Additional Information: gloves made of chloroprene (CR, e.g. Neoprene).

Eye protection: Safety goggles.

Skin protection: Light protective clothing.

Hygiene measures: Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately. When using do not eat, drink or smoke.

Environmental: The environmental regulations on the control and monitoring of environmental exposures are to be observed.

Section 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

State: Solid

Form: Pellets

Colour: White to slightly yellow

Odour: Faint inherent odour

Odor threshold:	Not measured.
Melting point:	Not measured.
Boiling point:	Not measured.
Flammability:	No data available.
Explosive limit - upper:	Not measured.
Explosive limit - lower:	Not measured.
Flashpoint:	> 93°C
Auto-ignition temperature:	Not measured.
Decomposition temperature:	Not measured.
pH:	Not applicable.
Dynamic viscosity:	Not applicable.
Kinematic viscosity:	No data available.
Solubility in water:	Insoluble
Solubility (other):	Not measured.
Partition coefficient (n-octanol/water):	Not measured.
Vapor pressure:	0.01hPa at 30°C
Relative density:	No data available.
Density:	Approximate 0.87g/cm ³
Vapor density (air=1):	No data available.

9.2. Other information

Explosive properties:	Not measured.
Oxidizing properties:	Not measured.
Self-ignition:	Not measured.
Metal Corrosion:	Not measured.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity:	See Section "Possibility of hazardous reactions".
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10.2. Chemical stability

Chemical stability:	The product is stable under normal conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions:	Reactions with strong oxidizing agent.
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10.4. Conditions to avoid

Conditions to avoid:	Avoid contact with strong oxidants.
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10.5. Incompatible materials

Materials to avoid: Unknown.

10.6. Hazardous decomposition product

Haz. decomp. products: None with proper storage and handling.

Section 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure:

Inhalation: If handled correctly, not a relevant route of exposure. Information on effects is given below.

Skin Contact: Relevant route of exposure. Information on effects is given below.

Eye contact: Relevant route of exposure. Information on effects is given below.

Ingestion: If handled correctly, not a relevant route of exposure. Information on effects is given below.

Acute toxicity (list all possible routes of exposure):

Oral: Product: Not classified for acute toxicity based on available data.
Components: Docosyltrimethylammonium methyl sulphate
LD 50, Rat, 3,190mg/kg, OECD 401

Dermal: Product: Not classified for acute toxicity based on available data.
Components: Docosyltrimethylammonium methyl sulphate
LD 50, Rabbit, > 2,000mg/kg.

Inhalation: Product: Not classified for acute toxicity based on available data.
Components: Docosyltrimethylammonium methyl sulphate
Not toxic after single exposure, vapour, No data available.
Not toxic after single exposure, vapour, No data available.

Repeated dose toxicity: Product: No data available.
Components: Docosyltrimethylammonium methyl sulphate
NOAEL rat, female, male, oral (gavage), daily, 10mg/kg, NOAEL - no observable adverse effect level, Rat, female, male, oral (gavage), daily, (analogy).

Skin corrosion/irritation: Product: No data available.
Components: Docosyltrimethylammonium methyl sulphate
Irritating, OECD 404, Rabbit, 4h, own study.

Serious eye damage/eye irritation: Product: No data available.
Components: Docosyltrimethylammonium methyl sulphate
Risk of serious damage to eyes, OECD 405, Rabbit, own study.

Respiratory or skin sensitization: Product: No data available.
Components: Docosyltrimethylammonium methyl sulphate
Maximization test, OECD 406, Guinea Pig, not a skin sensitizer, own study.

Carcinogenicity: Product: No data available.
Components: Docosyltrimethylammonium methyl sulphate
No data available.

Germ cell mutagenicity: No data available.

In vitro: Product: No data available.
Components: Docosyltrimethylammonium methyl sulphate
Bacterial reverse mutation assay, OECD 471: negative (analogy)
Gene mutation test, OECD 476: negative (analogy)
Cytogenetic test, OECD 487: negative (analogy)

In vivo:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
Reproductive toxicity:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate Oral (gavage)
Specific Target Organ Toxicity - single exposure:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
Specific Target Organ Toxicity - repeated exposure:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate Oral, Gastrointestinal System, Category 2, may cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Product: Not classified Components: Docosyltrimethylammonium methyl sulphate Not applicable.

11.2. Information on other hazards

Other information:	Causes skin irritation. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.
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Section 12: Ecological information

12.1. Toxicity

Acute hazards to the aquatic environment:

Fish:	Product: LC 50, Rainbow Trout, 96h, 96mg/l Components: Docosyltrimethylammonium methyl sulphate LC 50, Danio rerio, 96h, 3.5mg/l OECD 203, river water. The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Aquatic invertebrates:	Product: EC 50, Daphnia magna, 48h, 55mg/l Components: Docosyltrimethylammonium methyl sulphate EC 50, Daphnia magna, 48h, 1.39mg/l OECD 202, stream water. The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Toxicity to aquatic plants:	Product: EC 50 (Selenastrum capricornutum (green algae), 96h): 0.25mg/l Components: Docosyltrimethylammonium methyl sulphate ErC50 (Desmodesmus subspicatus (green algae), 72h): 3.48mg/l (OECD 201) stream water. The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Toxicity to microorganisms:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate EC 50, activated sludge, 3h, 43mg/l, OECD 209. This information is derived from evaluation of or a test result for a similar compound (conclusion based on analogy). EC 10, activated sludge, 3h, 9.5mg/l, OECD 209, This information is derived from evaluation of or a test result for a similar compound (conclusion based on analogy).
Toxicity to soil dwelling organisms:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
Toxicity to terrestrial organisms:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.

Chronic hazards to the aquatic environment:

Fish:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate NOEC, Danio rerio, 9d, 0.24mg/l, OECD 212. This information is derived from evaluation of or a test result for a similar compound (conclusion based on analogy).
Aquatic invertebrates:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
Toxicity to aquatic plants:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
Toxicity to microorganisms:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate EC 50, activated sludge, 3h, 43mg/l, OECD 209. This information is derived from evaluation of or a test result for a similar compound (conclusion based on analogy). EC 10, activated sludge, 3h, 9.5mg/l, OECD 209. This information is derived from evaluation of or a test result for a similar compound (conclusion based on analogy).
Toxicity to soil dwelling organisms:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
Toxicity to terrestrial organisms:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.

12.2. Persistence and degradability

Biodegradation:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate 80%, 28d, OECD 301B. The product is easily biodegradable (analogy) aerobic.
BOD/COD ratio:	Product: No data available.

12.3. Bioaccumulative potential

Bioconcentration Factor (BCF):	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
Partition coefficient n-octanol/water (log Kow):	Product: Not measured Components: Docosyltrimethylammonium methyl sulphate 3.01, 20°C, OECD 107

12.4. Mobility in soil

Mobility:	Product: No data available. Components: Docosyltrimethylammonium methyl sulphate No data available.
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12.5. Results of PBT and vPvB assessment

PBT/vPvB:	Product 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. Components: Docosyltrimethylammonium methyl sulphate
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12.6. Other adverse effects

Other hazards – product: Do not allow to enter soil, waterways or waste water canal.

Section 13: Disposal considerations

13.1. Waste treatment methods

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant.

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

Section 14: Transport information

UN number or ID number: ADR: UN 3077
RID: UN 3077
IMDG: UN 3077
IATA: UN 3077

UN proper shipping name: ADR: Environmentally Hazardous Substance, Solid, N.O.S.
(Alkyltrimethylammonium methyl sulphate)
RID: Environmentally Hazardous Substance, Solid, N.O.S.
(Alkyltrimethylammonium methyl sulphate)
IMDG: Environmentally Hazardous Substance, Solid, N.O.S.
(Alkyltrimethylammonium methyl sulphate)
IATA: Environmentally Hazardous Substance, Solid, N.O.S.
(Alkyltrimethylammonium methyl sulphate)

Transport hazard class(es): ADR: 9
RID: 9
IMDG: 9
IATA: 9

Packaging group: **ADR**
Packing group: III
Classification code: M7
Hazard identification number: 90
Labels: 9
Tunnel restriction code: (-)

RID
Packing group: III
Classification code: M7
Hazard identification number: 90
Labels: 9

IMDG
Packing group: III
Labels: 9
EMS code: F-A, S-F
Remarks: Stowage Category A

IATA (Cargo aircraft only)
Packing instruction (cargo aircraft): 956
Packing instruction (LQ): Y956
Packing group: III
Labels: 9MI
Remarks: Environmentally hazardous

IATA (Passenger and cargo aircraft)
Packing instruction (passenger aircraft): 956
Packing instruction (LQ): Y956
Packing group: III

Labels: 9MI
 Remarks: Environmentally hazardous

Environmental hazards:
ADR
 Environmentally hazardous: yes

RID
 Environmentally hazardous: yes

IMDG
 Marine pollutant: yes

IATA (Passenger and cargo aircraft)
 Environmentally hazardous: yes

IATA (Cargo aircraft only)
 Environmentally hazardous: yes

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.

Maritime transport in bulk according to IMO instruments:

Not applicable for product as supplied.

Section 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:

Classification	Lower-tier Requirements	Upper-tier Requirements
E1. Hazardous to the aquatic environment	100t	200t

15.2. Chemical Safety Assessment
Chemical safety assessment: No Chemical Safety Assessment has been carried out.

International regulations: Montreal protocol - Not applicable
 Stockholm convention - Not applicable
 Rotterdam convention - Not applicable
 Kyoto protocol - Not applicable

Section 16: Other information
16.1. Other information
Wording of the statements in Section 2 and 3:

 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.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) No 1272/2008 as amended	Classification Procedure
Skin irritation, Category 2	Calculation method
Serious eye damage, Category 1	On basis of test data
Specific Target Organ Toxicity - repeated exposure, Category 2	On basis of test data
Acute hazards to the aquatic environment, Category 1	On basis of test data
Chronic hazards to the aquatic environment, Category 2	On basis of test data

Other information:

* Indicates text in the SDS which has changed since the last revision.

Legal disclaimer:

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product.

Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all appropriate local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this document should be provided to your employees or customers.