

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name BTMS
Chemical Name : Preparation of alkyltrimethylammonium methyl sulphate

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

Relevant applications : Industrial Use
identified

Applications which : None known.
are not advised

1.3. Distributor

La Despensa del Jabón SC
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2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin irritation	Category 2	H315
Serious eye damage	Category 1	H318
Specific target organ toxicity - repeated exposure	Category 2	H373a
Acute aquatic toxicity	Category 1	H400

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Irritating to skin.
Risk of serious damage to eyes.
Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Very toxic to aquatic organisms.

2.2. Label elements

Constituent decisive : Docosyltrimethylammonium sulfate; CAS-No.: 81646-13-1
for hazardous-
substance labeling

Symbol(s) :



Signal word : Danger

hazard statement : H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H373a - May cause damage to organs through prolonged or repeated exposure if
swallowed.
H400 - Very toxic to aquatic life.

Precautionary : P273 - Avoid release to the environment.

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

Statement (Prevention) : P280 - Wear protective gloves and eye/ face protection.

Precautionary Statement (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.
 P310 - Immediately call a POISON CENTER/doctor.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention. Call a POISON CENTRE/doctor/physician if you feel unwell.

2.3. Other hazards

None known

3. Composition/information on ingredients

Preparation of alkyltrimethylammonium methyl sulphate

3.1. Substances

-

3.2. Mixtures

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

Chemical Name	CAS-No. EC-No. REACH-No.	Concentration	Classification
Docosyltrimethylammonium sulfate	81646-13-1 279-791-1	>= 20 % - <= 30 %	H315, 2 , Skin Irrit. H318, 1 , Eye Dam. H373a, 2 , STOT RE H400, 1 , Aquatic Acute

No hazardous ingredients

Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

Chemical Name	CAS-No. EC-No. REACH-No.	Concentration	Classification
Docosyltrimethylammonium sulfate	81646-13-1 279-791-1	>= 20 % - <= 30 %	Xn, N; R38, R41, R48/22, R50

No hazardous ingredients

Texts of H phrases, see in Chapter 16
 See chapter 16 for text of risk phrases

4. First aid measures

4.1. Description of first aid measures

General advice : Remove contaminated clothing.

Inhalation : Ensure supply of fresh air.
 In the event of symptoms take medical treatment.

Skin contact : In case of contact with skin wash off immediately with plenty of water
 Consult a doctor if skin irritation persists.

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

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.

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

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

Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media : Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

- carbon dioxide, carbon monoxide
- Sulphur oxides
- Nitrogen oxides (NOx)

5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases

Use self-contained breathing apparatus and wear protective suit

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.

6.2. Environmental precautions

Do not allow to enter drains or waterways

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Pick up mechanically

Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Open and handle container with care.
Provide good ventilation of working area (local exhaust ventilation if necessary).
Provide good ventilation when handling large quantities.
Avoid raising dust.

Hygiene measures : Keep away from foodstuffs and beverages.
Wash hands before breaks and after work.
Remove soiled or soaked clothing immediately.
Do not eat, drink or smoke when working.

General protective measures : Avoid contact with eyes and skin
Do not inhale vapours or dust

7.2. Conditions for safe storage, including any incompatibilities

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

Prevention of fire and explosion

Information : Keep away from sources of ignition - no smoking
 Take precautionary measures against electrostatic loading.

Storage

Information :
 Further information on storage conditions : Keep container tightly closed, cool and dry
 German storage class : 11

7.3. Specific end use(s)

No further recommendations.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)

Ingredients	CAS-No.	Statutory basis/list (Update)	Value type (Form of exposure; Expressed as)	Value	Short-term
Hexadecanol	36653-82-4	TRGS 900 (2006)		20 ml/m ³ 200 mg/m ³	1(l)
1-Octadecanol	112-92-5	TRGS 900 (2006)		20 ml/m ³ 224 mg/m ³	1(l)

DNEL : No DNEL/DMEL values on file.

PNEC : No PNEC values on file.

8.2. Exposure controls

Eye protection : Safety goggles
 Hand protection : gloves made of chloroprene (CR, e.g. Neoprene)
 Body Protection : light protective clothing
 Respiratory protection : in case of formation of vapours/dusts:
 Short term: filter apparatus, Filter P2

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : solid

Form : Pellets

Colour : white to slightly yellow

Odour : slight, typical

Odour Threshold : not measured

pH : no data available

Melting point : not measured

Boiling point : not measured

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

Flash point	: > 93 °C
Evaporation rate	:
Flammability	: no data available
Upper Explosion/Ignition Limit	: not measured
Lower explosion limit	: not measured
Vapour pressure	: 0,01 hPa (30 °C)
Relative vapour density	:
Relative density	: no data available
Solubility	: not measured
Water solubility	: insoluble
Partition coefficient (n-octanol/water)	: not measured
Autoignition temperature	: not measured
Thermal decomposition	: not measured
Viscosity, kinematic	: no data available
Viscosity, dynamic	: not applicable
Explosive properties	: not measured
Oxidising properties	: not measured
9.2. Other information	
Density	: ca. 0,87 g/cm ³
Metal corrosion	: not measured
Ignition temperature	: not measured

10. Stability and reactivity

10.1. Reactivity

see section "Possibility of hazardous reactions"

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4. Conditions to avoid

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

10.5. Incompatible materials

Unknown

10.6. Hazardous decomposition products

None with proper storage and handling.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : no data available

Acute toxicity (inhalation) : no data available

Acute toxicity (dermal) : no data available

Respiratory/skin sensitization : no data available

Repeated dose toxicity : no data available

CMR assessment

Carcinogenicity : no data available

Mutagenicity : no data available

Teratogenicity : no data available

Toxicity to reproduction : no data available

Specific Target Organ Toxicity - Single exposure : no data available

Specific Target Organ Toxicity - Repeated exposure : no data available

Aspiration hazard : No Aspiration toxicity classification

Other information : REGULATION (EC) No 1272/2008
Causes skin irritation.
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure if swallowed.

12. Ecological information

Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

12.1. Toxicity

Aquatoxicity, fish : Species: rainbow trout
Exposure duration: 96 h
LC50: 96 mg/l

Aquatoxicity, invertebrates : Species: Daphnia magna
Exposure duration: 48 h
EC50: 55 mg/l

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

Aquaticity, algae / aquatic plants : Species: Selenastrum capricornutum
Exposure duration: 96 h
EC50: 0,25 mg/l

Toxicity in microorganisms : no data available

chronic toxicity in fish : no data available

Chronic toxicity in aquatic Invertebrates : no data available

Toxicity in organisms which live in the soil : no data available

Toxicity in terrestrial plants : no data available

Toxicity to Above-Ground Organisms : no data available

12.2. Persistence and degradability

Photodegradation : no data available

Biological degradability : no data available

Physico-chemical removability : no data available

Biochemical Oxygen Demand (BOD) : no data available

Chemical Oxygen Demand (COD) : no data available

relation of BOD/COD : no data available

Dissolved organic carbon (DOC) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Distribution among environmental compartments : no data available

12.3. Bioaccumulative potential

Bioaccumulation : no data available

12.4. Mobility in soil

Environmental distribution : no data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : No data available

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N° 1907/2006 (REACH)

12.6. Other adverse effects

General Information : The product is considered to be a water pollutant (German law).
Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

13.1. Waste treatment methods

Product : 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.

14. Transport information

Transport on land (ADR/RID/GGVSEB)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkyltrimethylammonium methyl sulphate)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards: --

14.6. Special precautions for user: Yes

ADR: Tunnel Restriction Code: (E)

ADR: Environmentally hazardous

Inland waterway transport (ADN/GGVSEB (Germany))

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkyltrimethylammonium methyl sulphate)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards: --

14.6. Special precautions for user: No

Air transport ICAO-TI/IATA-DGR

14.1. UN number: UN 3077

14.2. UN proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Alkyltrimethylammonium methyl sulphate)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards: --

14.6. Special precautions for user: Yes

IATA-C: Environmentally hazardous

IATA-P: Environmentally hazardous

Sea transport IMDG-Code/GGVSee (Germany)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkyltrimethylammonium methyl sulphate)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards (Marine pollutant): Yes

14.6. Special precautions for user: Yes

EmS: F-A,S-F

Stowage category A

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: for transport approval see regulatory information

15. Regulatory information

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

National legislation

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

Technical instructions : 5.2.1
on Air Quality

Major Accident : 9a
Hazard Legislation

Water contaminating : hazard to waters
class (Germany) : Classification acc. to German law

Risk classification : ---
according to
BetrSichV (Germany)

Other regulations : Special local regulations must be adhered to when using products containing irritating or corrosive substances.

15.2. Chemical safety assessment

Chemical safety : No chemical safety assessment was carried out for this product.
assessment

16. Other information

List of references

Other information : Comply with national laws regulating employee instruction.
Revision date : 05.05.2014

Relevant H phrases from chapter 3

H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H373a : May cause damage to organs through prolonged or repeated exposure if swallowed.
H400 : Very toxic to aquatic life.

Relevant R phrases from chapter 3

R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R48/22 : Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50 : Very toxic to aquatic organisms.

Changes since the last version are highlighted in the margin. This version replaces all previous versions. This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Ficha de Datos de Seguridad

Conforme al Reglamento (CE) N^o 1907/2006 (REACH)

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
Chem G	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization