

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

1.1 Product identifier

Trade name : Baktolin sensitive

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

Use of the Substance/Mixture : In-door use
 For further information, refer to the product technical data sheet.
 Recommended restrictions on use : Restricted to professional users., Cosmetics

1.3 Details of the supplier of the safety data sheet

Manufacturer, importer, supplier : BODE Chemie GmbH
 Melanchthonstraße 27
 22525 Hamburg
 Tel.: +49 (0)40 / 54 00 60

Responsible Department : Scientific Affairs
 KundenService-SiDa@bode-chemie.de

1.4 Emergency telephone number

Emergency telephone number : Giftnotruf Göttingen
 24h-Phone +49 (0)551 / 1 92 40

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Irritant R36: Irritating to eyes.

2.2 Label elements

Labelling according to EC Directives: 1999/45/EC

Hazard symbols : 

Irritant

R-phrase(s) : R36 Irritating to eyes.

S-phrase(s) : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-omega- hydroxy-, C12-14-alkyl ethers, sodium salts	68891-38-3 01-2119488639- 16	Xi; R38-R41	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 3 - < 5
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-omega- hydroxy-, ether with me- thyl D-glucopyranoside 2,6-di-(9Z)-9- octadecenoate (2:1)	86893-19-8	R53		< 10
D-Glucopyranose, oligo- meric, C10-16-alkyl glyco- sides	110615-47-9 01-2119489418- 23		Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 3
D-Glucopyranose, oligo- mers, decyl octyl glyco- sides	68515-73-1 01-2119488530- 36	Xi; R41	Eye Dam. 1; H318	>= 1 - < 3
D-Glucopyranose, oligo- meric, C8-16-alkyl glyco- sides	141464-42-8 604-232-9	Xi; R38-R41	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 3

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : If you feel unwell, seek medical advice (show the label where possible).
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
- If swallowed : Do NOT induce vomiting.
Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray jet, Dry powder, Foam, Carbon dioxide (CO2)

Unsuitable extinguishing media : none

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment.

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Material can create slippery conditions.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Dilute with water.
Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special precautions required.

Advice on protection against fire and explosion : No special protective measures against fire required.

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 at room temperature in the original container.

Advice on common storage : Keep away from food and drink.

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts (CAS: 68891-38-3) : End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 2750 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 175 mg/m3

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 1650 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 52 mg/m3

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 15 mg/kg

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (CAS: 110615-47-9) : End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 595000 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects

	Value: 420 mg/m3
	End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 357000 mg/kg
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 35,7 mg/kg
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 124 mg/m3
D-Glucopyranose, oligomers, decyl octyl glycosides (CAS: 68515-73-1)	: End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 595000 mg/kg
	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 420 mg/m3
	End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 357000 mg/kg
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 35,7 mg/kg
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 124 mg/m3
PNEC Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts (CAS: 68891-38-3)	: Fresh water Value: 0,24 mg/l
	Marine water Value: 0,024 mg/l
	Fresh water sediment Value: 5,45 mg/kg
	Marine sediment Value: 0,545 mg/kg
	Soil Value: 0,946 mg/kg

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (CAS: 110615-47-9)	:	Fresh water
		Value: 0,1 mg/l
		Marine water
		Value: 0,005 mg/l
		Fresh water sediment
		Value: 0,487 mg/kg
		Marine sediment
		Value: 0,048 mg/kg
D-Glucopyranose, oligomers, decyl octyl glycosides (CAS: 68515-73-1)	:	Fresh water
		Value: 0,1 mg/l
		Marine water
		Value: 0,01 mg/l
		Fresh water sediment
		Value: 0,487 mg/kg
		Marine sediment
		Value: 0,048 mg/kg

8.2 Exposure controls

Personal protective equipment

Protective measures : No special protective equipment required.

Environmental exposure controls

General advice : No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	off-white, opalescent
Odour	:	pleasant
Odour Threshold	:	no data available
pH	:	5,5, at 20 °C
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available

Flash point	: not applicable
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Burning rate	: no data available
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: no data available
Density	: 1,04 g/cm ³ at 20 °C
Water solubility	: soluble
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: 1.500 - 4.300 mPa.s at 20 °C Method: ISO 2555 Brookfield DVII+, RV3
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available

9.2 Other information

Conductivity	: no data available
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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions	: None reasonably foreseeable.
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10.4 Conditions to avoid

Conditions to avoid	: Heat.
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Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid : None.

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

- Acute oral toxicity : no data available
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : no data available
- Acute toxicity (other routes of administration) : no data available
- Skin corrosion/irritation : Result: No skin irritation
- Serious eye damage/eye irritation : Result: irritating
- Respiratory or skin sensitisation : no data available
- Germ cell mutagenicity
- Genotoxicity in vitro : no data available
- Genotoxicity in vivo : no data available
- Carcinogenicity : This information is not available.
- Reproductive toxicity : This information is not available.
- Teratogenicity : This information is not available.
- STOT - single exposure : Remarks: no data available
- Repeated dose toxicity :
Note: This information is not available.
- STOT - repeated exposure : Remarks: no data available

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts (CAS: 68891-38-3) :

- Acute oral toxicity : LD50 rat: 4.100 mg/kg
Method: OECD Test Guideline 401
- Acute dermal toxicity : LD50 Dermal rat: > 2.000 mg/kg
Method: OECD Test Guideline 402
- Skin corrosion/irritation : Species: rabbit
Result: Skin irritation
Method: OECD Test Guideline 404
- Serious eye damage/eye irritation : Species: rabbit
Result: Irreversible effects on the eye
Method: OECD Test Guideline 405
- Respiratory or skin sensitisation : Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406

Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, ether with methyl D-glucopyranoside 2,6-di-(9Z)-9-octadecenoate (2:1) (CAS: 86893-19-8) :

- Acute oral toxicity : LD50 rat: > 5.000 mg/kg
- Acute dermal toxicity : LD50 rabbit: > 2.000 mg/kg
- Skin corrosion/irritation : Species: rabbit
Result: No skin irritation
- Serious eye damage/eye irritation : Species: rabbit
Result: No eye irritation

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (CAS: 110615-47-9) :

- Skin corrosion/irritation : Species: rabbit
Result: Skin irritation
- Serious eye damage/eye irritation : Species: rabbit
Result: Irreversible effects on the eye

D-Glucopyranose, oligomers, decyl octyl glycosides (CAS: 68515-73-1) :

- Skin corrosion/irritation : Species: rabbit
Result: No skin irritation
- Serious eye damage/eye irritation : Species: rabbit
Result: Irreversible effects on the eye

D-Glucopyranose, oligomeric, C8-16-alkyl glycosides (CAS: 141464-42-8) :

- Acute oral toxicity : LD50 Oral rat: > 2.000 mg/kg
Method: Calculation method

Skin corrosion/irritation : Result: Skin irritation

Serious eye damage/eye irritation : Result: Irreversible effects on the eye

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : no data available

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C12-14-alkyl ethers, sodium salts (CAS 68891-38-3) :

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 7,1 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 7,2 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : IC50 (Scenedesmus quadricauda (Green algae)): 7,5 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to bacteria : IC50 (Pseudomonas putida): > 100 mg/l
Exposure time: 48 h

Toxicity to fish (Chronic toxicity) : NOEC: 1 - 10 mg/l
Species: Leuciscus idus (Golden orfe)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1 - 10 mg/l
Species: Daphnia magna (Water flea)

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ether with methyl D-glucopyranoside 2,6-di-(9Z)-9-octadecenoate (2:1) (CAS 86893-19-8) :

Toxicity to fish : LC50 (Fish): > 1.000 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l

Ecotoxicology Assessment

Chronic aquatic toxicity : May cause long-term adverse effects in the aquatic environment.

D-Glucopyranose, oligomeric, C8-16-alkyl glycosides (CAS 141464-42-8) :

Toxicity to fish : LC50 (Fish): 10 - 100 mg/l

12.2 Persistence and degradability

Product:

Biodegradability : no data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : no data available

12.4 Mobility in soil

Product:

Distribution among environmental compartments : no data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : no data available

12.6 Other adverse effects

Product:

Adsorbed organic bound halogens (AOX) : no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of as hazardous waste in compliance with local and national regulations.
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging : Empty remaining contents.
Store containers and offer for recycling of material when in accordance with the local regulations.

SECTION 14: Transport information

14.1 UN number

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

ADN

Not dangerous goods

14.2 UN proper shipping name

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

ADN

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

ADN

Not dangerous goods

14.4 Packaging group

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

ADN

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

ADN

Not dangerous goods

14.6 Special precautions for user

not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

Notification status

REACH	: Not in compliance with the inventory
CH INV	: The formulation contains substances listed on the Swiss Inventory
TSCA	: Not On TSCA Inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.
AICS	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

For explanation of abbreviations see section 16.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

R36	Irritating to eyes.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R53	May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Notification status

REACH	: Registration, Evaluation and Authorisation of Chemicals (REACH)
CH INV	: Switzerland. New notified substances and declared preparations
TSCA	: Toxic substances control act
DSL	: Canada. DSL - Domestic Substances List, part of CEPA
AICS	: Australia. AICS - Australian Inventory of Chemical Substances
NZIoC	: New Zealand Inventory of Chemical Substances
ENCS	: Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL	: Japan. Industrial Safety and Health Law - Inventory
KECI	: Korea. KECI - Korean Existing Chemicals Inventory
PICCS	: Philippines. PICCS - Philippines Inventory of Chemicals and Chemi-

IECSC : China. IECSC - Inventory of Existing Chemical Substances in China

Safety datasheet sections which have been updated:

- 9. Physical and chemical properties
- 11. Toxicological information
- 12. Ecological information
- 15. Regulatory information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.