

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : Sterillium Gel

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 : Medicinal products, Biocides

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 (REGULATION (EC) No 1272/2008)**

Flammable liquids , Category 2 H225: Highly flammable liquid and vapour.

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

Highly flammable R11: Highly flammable.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

Precautionary statements : P102 Keep out of reach of children.
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
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.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

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****Hazardous components**

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Ethanol	64-17-5 200-578-6 01-2119457610-43	F; R11	Flam. Liq.2; H225	>= 70 - < 90

For explanation of abbreviations 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 : Rinse mouth.
Do NOT induce vomiting.

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

Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : none

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment.

Further information : Use water spray to cool unopened containers. Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : 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 : Keep away from heat.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.

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.

Further information on storage conditions : Storage must be in accordance with the BetrSichV (Germany).

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.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Ethanol : End Use: Consumers
Exposure routes: Ingestion
Value: 87 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Ethanol : Fresh water
Value: 0,96 mg/l

Fresh water sediment
Value: 3,6 mg/kg

Marine water
Value: 0,76 mg/l

Soil
Value: 0,63 mg/kg

8.2 Exposure controls**Personal protective equipment**

Protective measures : No special protective equipment required.

Environmental exposure controls

General advice : Should not be released into the environment.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : viscous

Colour : colourless
Odour : alcohol-like
pH : no data available
Melting point/range : not determined
Boiling point/boiling range : not determined
Flash point : 17,1 °C
Method: ISO 3679

Flammability (solid, gas) : not auto-flammable

Lower explosion limit : lower flammability limit
83 g/m³

Method: DIN 51649

Vapour pressure	:	no data available
Density	:	0,82 g/cm ³ (20 °C)
Solubility(ies)		
Water solubility	:	immiscible
Viscosity		
Viscosity, dynamic	:	4.000 - 8.000 mPa.s (20 °C) Method: ISO 2555 Brookfield DVII+, RV5

9.2 Other information

no data available

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.

10.4 Conditions to avoidConditions to avoid : Heat, flames and sparks.
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 toxicity**

no data available

Skin corrosion/irritation

Result: No skin irritation

Serious eye damage/eye irritation

Result: No eye irritation

Sterillium Gel

Version 1.2

Revision Date 26.08.2014

Print Date 22.01.2015

Respiratory or skin sensitisation

Result: Does not cause skin sensitisation.

Result: Does not cause respiratory sensitisation.

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

Components:**Acute toxicity****Ethanol (CAS: 64-17-5):**

Acute oral toxicity : LD50 Oral rat: 6.200 mg/kg

Acute inhalation toxicity : LC50 rat: 124,7 mg/l
Exposure time: 4 h**Skin corrosion/irritation****Ethanol (CAS: 64-17-5):**

Species: rabbit

Exposure time: 24 h

Result: Mild skin irritation

Method: Draize Test

Serious eye damage/eye irritation**Ethanol (CAS: 64-17-5):**

Species: rabbit

Exposure time: 24 h

Result: Mild eye irritation

Method: Draize Test

SECTION 12: Ecological information**12.1 Toxicity**

Sterillium Gel

Version 1.2

Revision Date 26.08.2014

Print Date 22.01.2015

Components:**Ethanol (CAS: 64-17-5):**

- Toxicity to fish : LC50 (Fish): 13.000 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 12.340 mg/l
Exposure time: 48 h
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 5.000 mg/l
Exposure time: 72 h

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

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

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.
The following Waste Codes are only suggestions:
- Waste Code EU : 070601* aqueous washing liquids and mother liquors
- 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 : UN 1170
IMDG : UN 1170
IATA : UN 1170

14.2 UN proper shipping name

- ADR : ETHANOL, SOLUTION (ETHYL ALCOHOL, SOLUTION)
IMDG : ETHANOL, SOLUTION (ETHYL ALCOHOL, SOLUTION)

IATA : ETHANOL, SOLUTION

14.3 Transport hazard class

ADR : 3
IMDG : 3
IATA : 3

14.4 Packaging group

ADR
 Packaging group : II
 Classification Code : F1
 Hazard Identification Number : 33
 Labels : 3
 Tunnel restriction code : D/E
IMDG
 Packaging group : II
 Labels : 3
 EmS Number : F-E, S-D
IATA
 Packaging group : II
 Labels : 3

14.5 Environmental hazards

ADR
 Environmentally hazardous : no
IMDG
 Marine pollutant : no
IATA
 Environmentally hazardous : no

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**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : not applicable

REACH - List of substances subject to authorisation (Annex XIV) : not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

7b	Highly flammable	Quantity1 5.000 t	Quantity2 50.000 t
----	------------------	----------------------	-----------------------

Volatile organic compounds : Directive 1999/13/EC
88,04 %
VOC content excluding water

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

R11 Highly flammable.

Full text of H-Statements

H225 Highly flammable liquid and vapour.

Full text of other abbreviations

Flam. Liq. Flammable liquids

Safety datasheet sections which have been updated:

2. Hazards identification

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.