

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
Disinfectants and general biocidal products, For further information, refer to the product technical data sheet.

Recommended restrictions on use : Restricted to professional users.

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)

Highly flammable R11: Highly flammable.

2.2 Label elements

Labelling according to EC Directives: 1999/45/EC

Hazard symbols :



Highly flammable

R-phrase(s) : R11 Highly flammable.

S-phrase(s) : S16 Keep away from sources of ignition - No smoking.

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 [%]
Ethanol	64-17-5 200-578-6	F; R11	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 50 - <= 100

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 : 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

no data available

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.

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
Odour Threshold	: no data available
pH	: no data available
Melting point/range	: not determined
Boiling point/boiling range	: not determined
Flash point	: 17,1 °C Method: ISO 3679
Evaporation rate	: no data available
Flammability (solid, gas)	: not auto-flammable
Burning rate	: no data available
Lower explosion limit	: lower flammability limit

	83 g/m ³ Method: DIN 51649
Upper explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: no data available
Density	: 0,82 g/cm ³ at 20 °C
Water solubility	: immiscible
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	: 4.000 - 8.000 mPa.s at 20 °C Method: ISO 2555 Brookfield DVII+, RV5
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.

10.4 Conditions to avoid

Conditions 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 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: No eye irritation
- Respiratory or skin sensitisation : Result: Does not cause skin sensitisation.
Result: Does not cause respiratory sensitisation.
- 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:

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 : Species: rabbit
Exposure time: 24 h
Result: Mild skin irritation
Method: Draize Test

Serious eye damage/eye irritation : Species: rabbit
Exposure time: 24 h
Result: Mild eye irritation
Method: Draize Test

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

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.
 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

Notification status

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 : Not in compliance with the inventory
 IECSC : Not 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

R11 Highly flammable.

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

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.

Full text of other abbreviations

Notification status

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

Safety datasheet sections which have been updated:

- 8. Exposure controls/personal protection
- 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.