

Safety Data Sheet

according to 1907/2006/EC, Article 31

Date of issue: 23.04.2009

Revision: 16.12.2008

1 Identification of substance:

- **Product details:**
- **Trade name:** Korsolex® prêt-à-l'emploi \ ready to use
- **SAP-Code:** EN R10233
- **Application of the substance / the preparation** Disinfectants for instruments
- **Manufacturer/Supplier:**
BODE Chemie GmbH
Melanchthonstraße 27
D-22525 Hamburg (Germany)
Tel.: +49 (0)40 / 54 00 60
- **Informing department:**
KundenService-SiDa@bode-chemie.de
- **Emergency information:**
Giftnotruf Göttingen (Germany)
24h-Tel.: +49 (0)551 / 1 92 40

2 Hazards identification

- **Hazard designation:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 20/22 Harmful by inhalation and if swallowed.
R 37/38 Irritating to respiratory system and skin.
R 41 Risk of serious damage to eyes.
R 42/43 May cause sensitisation by inhalation and skin contact.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless additions.

- **Dangerous components:**

CAS: 107-21-1 EINECS: 203-473-3	ethane-1,2-diol	Xn; R 22	5-10%
CAS: 111-30-8 EINECS: 203-856-5	glutaral	T, C, N; R 23/25-34-42/43-50	1-5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

(Contd. on page 2)

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(Contd. of page 1)

- **After swallowing**
Rinse out mouth and then drink plenty of water.
Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling**
- **Information for safe handling:** Open and handle container with care.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with critical values that require monitoring at the workplace:**

107-21-1 ethane-1,2-diol

IOELV (European Union)	Short-term value: 104 mg/m ³ , 40 ppm
	Long-term value: 52 mg/m ³ , 20 ppm
	Skin

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
Impervious gloves.
Only use chemical-protective gloves with CE-labelling of category 3.
Check protective gloves prior to each use for their proper condition.
After use of gloves apply skin-cleaning agents and skin cosmetics.
- **Material of gloves**
 1. Nitrile rubber, NBR
 2. Butyl rubber, BR

(Contd. on page 3)

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(Contd. of page 2)

Recommended thickness of the material: 1. 0,4 mm / 2. 0,7 mm

· **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:**

1. Nitrile rubber, NBR
2. Butyl rubber, BR

· **Not suitable are gloves made of the following materials:**

Natural rubber, NR
PVA gloves

· **Eye protection:** Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· **General Information**

Form:	fluid
Colour:	colourless
Smell:	Characteristic

· **Change in condition**

Melting point/Melting range: not determined
Boiling point/Boiling range: 100°C ((Wasser))

· **Flash point:** > 100°C

· **Self-inflammability:** product is not selfigniting

· **Danger of explosion:** product is not explosive

· **Density at 20°C** 1,01 g/cm³

· **Solubility in / Miscibility with Water:** fully miscible

· **pH-value at 20°C:** 4-5

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** Irritant for skin and mucous membranes.

· **on the eye:** Strong irritant with the danger of severe eye injury.

· **Sensitization:**

Sensitization possible by inhalation.

Sensitization possible by skin contact.

· **Additional toxicological information:**

Harmful

(Contd. on page 4)

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(Contd. of page 3)

Irritant

The product shows the following dangers according to the calculation method of the General EC

Classification Guidelines for Preparations as issued in the latest version:

- **Sensitisation** May cause sensitisation by inhalation and skin contact.

12 Ecological information:

- **Additional ecological information:** -

13 Disposal considerations

- **Product:**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

· **ADR/RID-GGVS/E Class:** -

- **Maritime transport IMDG/GGVSea:**

· **IMDG/GGVSea Class:** -

- **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV).

- **Code letter and hazard designation of product:**



Xn Harmful

- **Hazard-determining components of labelling:**

glutaral

- **Risk phrases:**

20/22 Harmful by inhalation and if swallowed.

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

42/43 May cause sensitisation by inhalation and skin contact.

(Contd. on page 5)

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(Contd. of page 4)

Safety phrases:

- 23 Do not breathe fumes/aerosol.
- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 37/39 Wear suitable gloves and eye/face protection.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

- 22 Harmful if swallowed.
- 23/25 Toxic by inhalation and if swallowed.
- 34 Causes burns.
- 42/43 May cause sensitisation by inhalation and skin contact.
- 50 Very toxic to aquatic organisms.

*** Data compared to the previous version altered.**

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