

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Date of issue: 31.05.2010

Revision: 31.05.2010

## 1 Identification of substance:

· **Product details:**

· **Trade name:** Dismofix® K

· **SAP-Code:** EN R10227

· **Application of the substance / the preparation** All purpose cleaner

· **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:**



*Xi Irritant*

· **Information pertaining to particular dangers for man and environment**

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

· **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: 112-34-5 EINECS: 203-961-6	2-(2-Butoxyethoxy)ethanol	Xi; R 36	10-25%
EINECS: 288-330-3	Natriumalkansulfonat	Xn,  Xi; R 22-38-41	5-10%
CAS: 6834-92-0 EINECS: 229-912-9	disodium metasilicate	C,  Xi; R 34-37	1-5%
	Fettalkoholpolyglykolether	Xn,  Xi; R 22-41	1-5%
	Isotridecanol, ethoxyliert CAS 69011-36-5	Xi; R 41	1-5%
CAS: 1310-58-3 EINECS: 215-181-3	potassium hydroxide	C,  Xn; R 22-35	1-5%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

non-ionic surfactants, phosphonates, anionic surfactants	< 5%
perfumes	

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

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### 4 First aid measures

- **General information** Get medical advice/attention.
- **After inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **After skin contact** Wash with plenty of soap and water.
- **After eye contact** Rinse cautiously with water for several minutes.
- **After swallowing**  
Rinse mouth.  
Do NOT induce vomiting.

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards caused by the material, its products of combustion or flue gases:**  
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear self-contained breathing apparatus.

### 6 Accidental release measures

- **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or water bodies.  
Dilute with much 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.  
Unsuitable material for container: aluminium.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **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:**

112-34-5 2-(2-Butoxyethoxy)ethanol

IOELV (European Union)	Short-term value: 101,2 mg/m <sup>3</sup> , 15 ppm
	Long-term value: 67,5 mg/m <sup>3</sup> , 10 ppm

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

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- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **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

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:** PVA gloves
- **Eye protection:** Tightly sealed safety glasses.

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	fluid
<b>Colour:</b>	Violet
<b>Smell:</b>	Characteristic

#### · Change in condition

<b>Melting point/Melting range:</b>	not determined
<b>Boiling point/Boiling range:</b>	ca. 100°C

· **Flash point:** > 100°C

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

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

· **Density at 20°C** 1,039 g/cm<sup>3</sup>

#### · Solubility in / Miscibility with

**Water:** soluble

· **pH-value at 20°C:** 13

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Materials to be avoided:**
- **Dangerous reactions** Reacts with acids.
- **Dangerous products of decomposition:**  
Corrosive gases/vapours

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Poisonous gases/vapours  
Nitrogen oxides (NOx)

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant for skin and mucous membranes.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**  
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:  
Irritant

### 12 Ecological information:

- **Additional ecological information:** -

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Must be specially treated under adherence to official regulations.

- **European waste catalogue**

07 06 01*	aqueous washing liquids and mother liquors
16 03 05*	organic wastes containing dangerous substances
18 01 06*	chemicals consisting of or containing dangerous substances

- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

### 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.

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### 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:**



*Xi Irritant*

**· Risk phrases:**

*38 Irritating to skin.*

*41 Risk of serious damage to eyes.*

**· Safety phrases:**

*24/25 Avoid contact with skin and eyes.*

*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.*

*46 If swallowed, seek medical advice immediately and show this container or label.*

### 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.*

*34 Causes burns.*

*35 Causes severe burns.*

*36 Irritating to eyes.*

*37 Irritating to respiratory system.*

*38 Irritating to skin.*

*41 Risk of serious damage to eyes.*

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