

EC Material Safety Data Sheet

according to EC 91/155

Date of issue: 20.03.2007

Reviewed on 20.03.2007

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 & Co. KG

Melanchthonstraße 27

D-22525 Hamburg (Germany)

Tel.: +49 (0)40 / 54 00 60

· **Informing department:** Department Research and Development

· **Emergency information:**

Giftnotruf Göttingen (Germany)











24h-Tel.: +49 (0)551 / 1 92 40

2 Composition/Data on components:

· **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%
	Fettalkoholpolyglykoether	 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.

3 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.

4 First aid measures

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

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- **After skin contact**
Instantly rinse with water.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water.
Call a doctor immediately.
- **After swallowing** Do not induce vomiting; instantly call for medical help.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, 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 ()	Short-term value: 101,2 mg/m ³ , 15 ppm Long-term value: 67,5 mg/m ³ , 10 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.
- **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.

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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 through 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.

- **Body protection:** Alkaline resistant protective clothing

9 Physical and chemical properties:

- **General Information**

Form:	fluid
Colour:	Violet
Smell:	Characteristic

- **Change in condition**

Melting point/Melting range: not determined
Boiling point/Boiling range: 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/cm³

- **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.

- **Dangerous reactions** Reacts with acids.

- **Dangerous products of decomposition:**

Corrosive gases/vapours
Poisonous gases/vapours
Nitrogen oxides (NO_x)

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.

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- **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:

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.
- **Uncleaned packagings:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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:**



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.

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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.

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