

Safety data sheet

according to 1907/2006/EC, Article 31




Date of issue: 03.01.2011

Revision: 16.12.2010

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** *Dismoclean® 28 alka one*
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** *Cleaning agent/ Cleaner*
- **Details of the supplier of the safety data sheet**
- **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 telephone number:**
*Giftnotruf Göttingen (Germany)
 24h-Tel.: +49 (0)551 / 1 92 40*

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
-  *Xn; Harmful*
R40: Limited evidence of a carcinogenic effect.
-  *Xi; Irritant*
R38-41: Irritating to skin. 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.
- **Label elements**
- **Labelling according to EU 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:**
trisodium nitrilotriacetate
- **Risk phrases:**
*38 Irritating to skin.
 40 Limited evidence of a carcinogenic effect.
 41 Risk of serious damage to eyes.*
- **Safety phrases:**
*26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 46 If swallowed, seek medical advice immediately and show this container or label.*

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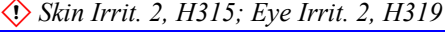

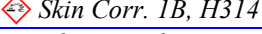
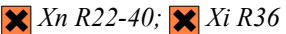

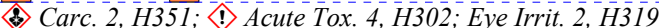
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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

· Dangerous components:

CAS: 7778-53-2 EINECS: 231-907-1	 Trikaliumphosphat 	10-25%
CAS: 1312-76-1	potassium silicate  C R34 	10-25%
CAS: 5064-31-3 EINECS: 225-768-6	trisodium nitrilotriacetate  Xn R22-40;  Xi R36 	5-10%

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

phosphates	15 - 30%
NTA (nitrilotriacetic acid) and salts thereof	5 - 15%
amphoteric surfactants	< 5%

4 First aid measures

- **Description of 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 Firefighting measures

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

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Dilute with much water.

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- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 8 for information on personal protection equipment.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Open and handle container with care.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **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.
- **Maximum storage temperature:** + 25°C
- **Minimum storage temperature** + 5°C

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
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.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**
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
- **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.

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

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

· Form:	fluid
· Colour:	yellowish
· Smell:	Characteristic

- **pH-value (10 g/l) at 20°C:** 12,0

- **Change in condition**

· Melting point/Melting range:	not determined
· Boiling point/Boiling range:	ca. 100°C

- **Flash point:** Not applicable

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

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

- **Density at 20°C** 1,42 g/cm³

- **Solubility in / Miscibility with**

· Water:	fully miscible
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10 Stability and reactivity

- **Reactivity**

- **Chemical stability**

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

- **Possibility of hazardous reactions** Exothermic reaction with acids

- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Oral	LD50	>2000 mg/kg (Rat)
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- **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:** 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:

Harmful

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** cmr Kat. 3

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12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability**
- **Other information:**
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
The product is easily biodegradable.
- **Additional ecological information:** -
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** 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.
- **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:** -
- **Marine pollutant:** No

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

- **ICAO/IATA Class:** -

- **Special precautions for user** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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 phrases

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

R22 Harmful if swallowed.

R34 Causes burns.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R40 Limited evidence of a carcinogenic effect.

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

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