

Safety Data Sheet

according to 2001/58/EC

BOHLE glass cleaner

Print date : 25.04.2005

Product code : BO5107800

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1. Identification of the substance/preparation and of the company/undertaking**1.1 Identification of the substance or preparation**

BOHLE glass cleaner

1.2 Company/undertaking identification

Company name : BOHLE AG
Street : Dieselstr. 10
Place : D-42781 Haan
Contact person : Uwe Adler
e-mail : uadler@bohle.de
Inquiry office : Produktmanagement

Telephone : 02129 5568-0
Telefax : 02129 5568 282

2. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
203-905-0	111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	<5 %	Xn, Xi R20/21/22-36/38
200-661-7	67-63-0	isopropanol, isopropyl alcohol, propan-2-ol	5-10 %	F, Xi R11-36-67

Full text of each relevant R phrase can be found in heading 16.

3. Hazards identification**Classification**

The preparation does not need to be labelled in accordance with Directive 1999/45/EC, or Annex VI to 67/548/EEC. The preparation is non-dangerous in accordance with Directive 1999/45/EC.

4. First aid measures**After inhalation**

Move to fresh air.

After contact with skin

wash hands with water as a precaution

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

After ingestion

Do not induce vomiting. Call a physician immediately.

5. Fire-fighting measures**Suitable extinguishing media**

water spray foam carbon dioxide (CO2) dry chemical

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

None known.

Special protective equipment for fire-fighters

Not required

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6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. Handling and storage

7.1 Handling

Advice on safe handling

Keep container tightly closed.

7.2 Storage

Requirements for storage rooms and vessels

No special storage conditions required

8. Exposure controls/personal protection

8.1 Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/m ³	Category	Origin
111-76-2	2-Butoxyethanol (butyl cellosolve)	25	-	-	TWA (8 h)	OES
	2-Butoxyethanol (butyl cellosolve)	50	-	-	STEL (15 min)	OES
67-63-0	Propan-2-ol	400	999	-	TWA (8 h)	OES
	Propan-2-ol	500	1250	-	STEL (15 min)	OES

BAT values (TRGS 903)

CAS No.	Substance	Value	Parameter	Test material	Sampling time
111-76-2	2-Butoxyethanol	100 mg/l	Butoxyessigsäure	U	c
67-63-0	2-Propanol	50 mg/l	Aceton	B	b

8.2 Exposure controls

Protective and hygiene measures

None under normal processing.

9. Physical and chemical properties

9.1 General information

Physical state : liquid
 Colour : blue
 Odour : characteristic

9.2 Important health, safety and environmental information

pH-Value (at 20 °C) :

7

Test method

Changes in the physical state

Boiling point :

80 °C

Flash point :

56 °C

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Vapour pressure : 40 hPa
at (20 °C)
Density (at 20 °C) : 0,98 g/cm³
Water solubility : moderately soluble
Viscosity / dynamic : <10 mPa·s
at (25 °C)

10. Stability and reactivity**Conditions to avoid**

Do not expose to temperatures above 70 °C

Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information**Irritancy and corrosiveness**

Moderate eye irritation

Additional information on tests

This product has no known adverse effect on human health.

12. Ecological information**Ecotoxicity**

This product has no known eco-toxicological effects.

Persistence and degradability

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Other adverse effects

Ecological injuries are not known or expected under normal use.

13. Disposal considerations**Waste disposal number of waste from residues/unused products :**

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging :

200139 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); plastics

14. Transport information**Land transport (ADR/RID)****Remarks (land transport)**

Not classified as dangerous in the meaning of transport regulations.

Inland waterways transport**Marine transport****Air transport****15. Regulatory information**

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15.1 Labelling

Labelling according to EC-guidelines : Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 99/45/EC.

15.2 National regulations**16. Other information****List of relevant R phrases**

- | | |
|----------|---|
| 11 | Highly flammable. |
| 36 | Irritating to eyes. |
| 67 | Vapours may cause drowsiness and dizziness. |
| 20/21/22 | Harmful by inhalation, in contact with skin and if swallowed. |
| 36/38 | Irritating to eyes and skin. |

Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)