

SAFETY DATA SHEET (EC 1907/2006)**DeguDent**

A Dentsply International Company

Ducera Liquid B

Material no.		Version	1.1 / GB
Specification	158223	Revision date	02.11.2007
VA-Nr		Print Date	24.10.2008
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	:	Ducera Liquid B
Company	:	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	:	+49 (0)6181/59-5767
Telefax	:	+49 (0)6181/59-5879
Email address	:	SDB@degudent.de
Emergency telephone number	:	+49 (0)180 / 23 24-555
Use of the Substance / Preparation	:	For dental use only.

2. HAZARDS IDENTIFICATION**Additional safety information for humans and the environment**

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**The preparation contains:
aromatic oil**Information on ingredients / Hazardous components**

• sodium hydroxide		< 0.5%	
CAS-No.	1310-73-2	EC-No.	215-185-5
	C; R35		
• polypropylene glycol			
CAS-No.	25322-69-4		

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES**General advice**

Remove contaminated or saturated clothing.

Inhalation

Move victims into fresh air.

Skin contact

Wash off with plenty of water.

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Eye contact

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.
Consult an ophthalmologist.

Ingestion

Have the mouth rinsed with water.
Consult a physician immediately.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

water spray, foam, quenching powder, carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons

high volume water jet

Special protective equipment for fire-fighters

Employ protective equipment commonly used in the event of fire.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear suitable gloves.

Environmental precautions

Do not allow the product into the following compartments:
stretches of water
groundwater
sewage water

Methods for cleaning up

Pick up mechanically with a suitable material and collect in a suitable container.
Disposal according to local authority regulations.
Suitable binder: universal absorbent

7. HANDLING AND STORAGE**Handling****Safe handling advice**

Local ventilation.
Wear suitable protective clothing and gloves.

Advice on protection against fire and explosion

No special precautions required.

Storage**Requirements for storage areas and containers**

Keep tightly sealed in original packing.
Unsuitable materials aluminium, tin, zinc

Storage stability

Protect from frost.
Recommended storage temperature:

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> 10 °C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**• **sodium hydroxide**

CAS-No.	1310-73-2	EC-No.	215-185-5
Control parameters	2 mg/m ³		Short Term Exposure Limit (STEL):(EH40 WEL)

Engineering measures

Local ventilation.

Personal protective equipment**Hand protection**

Glove material	PVC
Material thickness	0.5 mm
Break through time	480 min
Method	Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

Wear protective gloves made of the following materials:.

alkali-resistant

Glove material	Polychloroprene (PCP)
Material thickness	0.5 mm
Break through time	480 min
Method	Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

Glove material	butyl-rubber
Material thickness	0.5 mm
Break through time	480 min
Method	Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

Glove material	Fluorinated rubber (FKM)
Material thickness	0.4 mm
Break through time	480 min
Method	Source: GESTIS substance database (hazardous substance information system of commercial professional associations)

The suitability for a specific workplace should be discussed with the producers of the protective gloves. The exact break through time can be obtained from the protective glove producer and this has to be observed.

preventive skin protection
Use barrier cream regularly.

Eye protection

Safety glasses with side-shields

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices.
No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.

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Protective measures

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	colourless
Odour	fruity

Safety data

pH	ca. 13
Medium:	water
Density	ca. 1.15 g/cm ³
Water solubility	soluble

10. STABILITY AND REACTIVITY

Materials to avoid	Ammonium salts
Hazardous decomposition products	None known

11. TOXICOLOGICAL INFORMATION

No results of animal experiments with this preparation are available.

Skin irritation	The risk of irritation/corrosive action on the skin is assumed based upon the pH value.
Eye irritation	The risk of irritation/corrosive action on the skin and of serious eye injury is assumed based upon the pH value.

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects**

Ecotoxicological tests with this preparation are not available.

Further information on ecology

Further Information	Do not allow entrance in sewage water, soil or stretches of water.
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13. DISPOSAL CONSIDERATIONS**Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. TRANSPORT INFORMATION**Land transport ADR/RID/GGVSE (Germany)**

Class	8
ADR/RID-Labels	8
UN-No	1824
Packaging group	II
orange warning plate	80 / 1824
Description of the goods (Technical name)	SODIUM HYDROXIDE SOLUTION

Sea transport IMDG-Code/GGVSee

Class	8
UN-No	1824
Packaging group	II
EmS	F-A, S-B
Proper technical name (Proper shipping name)	SODIUM HYDROXIDE SOLUTION

Air transport ICAO-TI/IATA-DGR

Class	8
UN-No	1824
Packaging group	II
Proper technical name (Proper shipping name)	Sodium hydroxide solution

Inland waterway transport ADN/ADNR/GGVBinSch (Germany)

Class	8
ADR/RID-Labels	8
UN-No / Substance number	1824
Packaging group	II
Description of the goods (Technical name)	SODIUM HYDROXIDE SOLUTION

Loading instructions/Remarks

IATA_C	ERG-Code 8L
IATA_P	ERG-Code 8L
IMDG	Keep separate from acids.

15. REGULATORY INFORMATION**Labelling according to EC Directives**

Other data According to the Dangerous Preparations Directive (1999/45/EG):
no labelling

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National legislation**16. OTHER INFORMATION****Risk phrase (R phrase) texts**

- **sodium hydroxide**

R35 Causes severe burns.

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.