

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

Material no.		Version	<b>3.6 / GB</b>
Specification	<b>102868</b>	Revision date	<b>21.09.2010</b>
VA-Nr		Print Date	<b>23.09.2010</b>
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**DeguDent**  
A Dentsply International Company**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name	Waxit
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.

REACH Registration No.: if available listed in Chapter. 3

**2. HAZARDS IDENTIFICATION****Classification as per Directive 67/548/EC or Directive 1999/45/EC**F, Highly flammable  
R11: Highly flammable.**Other Hazards**

Vapours can form explosive mixtures with air.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC**

<b>• ethanol</b>			75% - 90%
CAS-No.	64-17-5	EC-No.	200-578-6
<b>• acetone</b>			0.1% - 1%
CAS-No.	67-64-1	EC-No.	200-662-2
	F; R11 Xi; R36 R66 R67		
<b>• methyl acetate</b>			0.1% - 1%
CAS-No.	79-20-9	EC-No.	201-185-2
	F; R11 Xi; R36 R66 R67		
<b>• Ethylacetate</b>			1% - 5%
CAS-No.	141-78-6	EC-No.	205-500-4
	F; R11 Xi; R36 R66 R67		
<b>• glycerol</b>			5% - 10%

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CAS-No. 56-81-5      EC-No. 200-289-5

See chapter 16 for text of risk phrases

## 4. FIRST AID MEASURES

### Description of first aid measures

Take off all contaminated clothing immediately.

### Inhalation

Move victims into fresh air.

Consult a physician immediately.

### Skin contact

Wash off with soap and plenty of water.

Consult a physician immediately.

### Eye contact

Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, if necessary, eye rinsing solution.

Consult an ophthalmologist.

### Ingestion

Call a physician immediately.

Clean mouth with water and drink afterwards plenty of water.

Ingest activated charcoal.

Do not induce vomiting.

Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

### Indication of any immediate medical attention and special treatment needed

After absorbing large amounts of substance:

gastric lavage

administration of activated charcoal.

Therapy as for poisoning by ethyl alcohol.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

water spray, alcohol-resistant foam, CO<sub>2</sub>, dry powder

### Unsuitable extinguishing media

high volume water jet

### Special hazards arising from the substance or mixture

Formation of flammable or explosive vapour/air mixtures possible.

In case of fire cool endangered containers with water.

### Special protective equipment for fire-fighters

Employ protective equipment commonly used in the event of fire.

In the event of fire, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practices.

### Environmental precautions

Prevent penetration into soil, stretches of water and drainage systems.

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**Methods and material for containment and cleaning up**

Dilute with plenty of water.

**7. HANDLING AND STORAGE****Handling****Precautions for safe handling**

Use only in well-ventilated areas.

Ensure suitable suction/aeration at the work place and with operational machinery.

**Advice on protection against fire and explosion**

Formation of flammable or explosive vapour/air mixtures possible.

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

**Storage****Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

• acetone			
CAS-No.	67-64-1	EC-No.	200-662-2
Control parameters	500 ppm 1210 mg/m <sup>3</sup>		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	1500 ppm 3620 mg/m <sup>3</sup>		Short Term Exposure Limit (STEL):(EH40 WEL)
Control parameters	500 ppm 1210 mg/m <sup>3</sup> Indicative		Time Weighted Average (TWA):(EU ELV)
• methyl acetate			
CAS-No.	79-20-9	EC-No.	201-185-2
Control parameters	200 ppm 616 mg/m <sup>3</sup>		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	250 ppm 770 mg/m <sup>3</sup>		Short Term Exposure Limit (STEL):(EH40 WEL)
• Ethylacetate			
CAS-No.	141-78-6	EC-No.	205-500-4
Control parameters	200 ppm		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	400 ppm		Short Term Exposure Limit (STEL):(EH40 WEL)

**Engineering measures**

Use only in well-ventilated areas.

Local ventilation.

Do not breathe solvent vapours.

**Personal protective equipment****Respiratory protection**

If workplace exposure limit is exceeded apply Respirator with brown A-type filter.

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Wear protective gloves made of the following materials: solvent-resistant material.

Glove material	butyl-rubber
Material thickness	0.5 mm
Break through time	60 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

**Skin and body protection**

Avoid contaminating clothes with product.  
solvent-resistant apron

**Hygiene measures**

No eating, drinking, smoking, or snuffing tobacco at work.  
Wash hands before breaks and at the end of workday.  
Do not breathe vapour.

**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	blue
Odour	aromatic

**Information on basic physical and chemical properties**

pH	7	
	Medium:	water
Melting point/range	< -100 °C	
Boiling point/range	< 78 °C	
Flash point	19 °C	
Lower explosion limit	3.5 %(V)	
	related to substance:	Ethanol
Upper explosion limit	15 %(V)	
	related to substance:	Ethanol
Density	0.81 g/cm <sup>3</sup>	

**Further information**

Miscibility in water	completely miscible
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**10. STABILITY AND REACTIVITY**

Conditions to avoid	None known
Incompatible materials	None known
Hazardous decomposition products	None known

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	LD50 Rat: 7060 mg/kg related to substance: Ethanol
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**12. ECOLOGICAL INFORMATION****Elimination information (persistence and degradability)**

Biodegradability	Result: easily biodegradable
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**Ecotoxicity effects**

*No ecotoxicological studies are available.*

Toxicity to fish	LC50 Leuciscus idus melanotus: 8140 mg/l literature related to substance: Ethanol
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	LC50 Leuciscus idus melanotus: 270 mg/l literature related to substance: Ethylacetate
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Toxicity to daphnia	EC 3 Daphnia magna: 7800 mg/l related to substance: Ethanol
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	EC50 Daphnia magna: 2500 mg/l related to substance: Ethylacetate
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Toxicity to algae	TGK Scenedesmus quadricauda: 15 mg/l moderate literature related to substance: Ethylacetate
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Toxicity to bacteria	EC 10 Pseudomonas putida: 6500 mg/l literature related to substance: Ethanol
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	EC 10 Pseudomonas putida: 650 mg/l literature related to substance: Ethylacetate
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**Further information on ecology**

Further Information	Prevent penetration into soil, stretches of water and drainage systems.
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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/GGVSEB (Germany)**

Class	3
ADR/RID-Labels	3
UN-No	1170
Packaging group	II
orange warning plate	33 / 1170
Tunnel Restriction Code (ADR)	(D/E)
Description of the goods (Technical name)	
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	

**Sea transport IMDG-Code/GGVSee (Germany)**

Class	3
UN-No	1170
Packaging group	II
EmS	F-E, S-D
Proper technical name (Proper shipping name)	
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	

**Air transport ICAO-TI/IATA-DGR**

Class	3
UN-No	1170
Packaging group	II
Proper technical name (Proper shipping name)	
Ethanol solution	

**Inland waterway transport ADN/ADNR/GGVSEB (Germany)**

Class	3
ADR/RID-Labels	3
UN-No / Substance number	1170
Packaging group	II
Description of the goods (Technical name)	
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	

**Loading instructions/Remarks**

IATA_C	ERG-Code 3L
IATA_P	ERG-Code 3L
IATA_C	Maximum Net Quantity per Package 60 L
IATA_P	Maximum Net Quantity per Package 5 L
ADR	Observe listed materials regulation §35, paragraph 1 GGVSEB

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

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**DeguDent**  
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- ethanol

<b>Symbol(s)</b>	F	Highly flammable
<b>R-phrases(s)</b>	R11	Highly flammable.
<b>S-phrases(s)</b>	S 2 S 7 S16	Keep out of the reach of children. Keep container tightly closed. Keep away from sources of ignition - No smoking.

**National legislation**

employment restriction	The employment limitations under the protection of young persons act, the laws on pregnant women and young mothers and work at home is/are to be observed.
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**16. OTHER INFORMATION****Risk phrase (R phrase) texts**

- **acetone**  
R11 Highly flammable.  
R36 Irritating to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.
- **methyl acetate**  
R11 Highly flammable.  
R36 Irritating to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.
- **Ethylacetate**  
R11 Highly flammable.  
R36 Irritating to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

**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.