

# SAFETY DATA SHEET (EC 1907/2006)

## Waxit

Version:	3.12 / GB	Material no.	5325180013
Revision date:	13.11.2017	Specification	102868
Issue date:	03.09.2001	VA-Nr	01779016
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name	Waxit
REACH Registration No.:	if available listed in Chapter. 3

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified	For dental use only.
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### 1.3. Details of the supplier of the safety data sheet

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@dentsplysirona.com

### 1.4. Emergency telephone number

Emergency information	+49 (0)6181/59-50 (This telephone number is available during office hours only.)
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

EU-CLP as per Regulation (EU) No. 1272/2008, Annex VI

Flammable liquids	Category 2	H225
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### 2.2. Label elements

#### Labelling as per (EU) 1272/2008

Statutory basis	EU-CLP as per Regulation (EU) No. 1272/2008, Annex VI
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#### hazard-defining component(s) (GHS)

- ethanol; ethyl alcohol

Hazard pictograms



Signal word	Danger
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Hazard statement	H225 - Highly flammable liquid and vapour.
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Precautionary statement	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed.
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### 2.3. Other hazards

Vapours can form explosive mixtures with air.  
A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

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**SECTION 3: Composition/information on ingredients****3.1. Substances**

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**3.2. Mixtures**

**Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008**

<b>• ethanol; ethyl alcohol</b>		75% - 90%			
CAS-No.	64-17-5	EC-No.	200-578-6		
Flammable liquids				Category 2	H225
<b>• acetone; propan-2-one; propanone</b>		0.1% - 1%			
CAS-No.	67-64-1	EC-No.	200-662-2		
Flammable liquids				Category 2	H225
Eye irritation				Category 2	H319
Specific Target Organ Toxicity - Single exposure				Category 3	H336
<b>• methyl acetate</b>		0.1% - 1%			
CAS-No.	79-20-9	EC-No.	201-185-2		
Flammable liquids				Category 2	H225
Eye irritation				Category 2	H319
Specific Target Organ Toxicity - Single exposure				Category 3	H336
<b>• Ethylacetate</b>		1% - 5%			
CAS-No.	141-78-6	EC-No.	205-500-4		
Flammable liquids				Category 2	H225
Serious eye damage/eye irritation				Category 2	H319
Specific Target Organ Toxicity - Single exposure				Category 3	H336
<b>• glycerol</b>		5% - 10%			
CAS-No.	56-81-5	EC-No.	200-289-5		

Texts of H phrases, see in Chapter 16

**SECTION 4: First aid measures****4.1. Description of first aid measures**

Take off all contaminated clothing immediately.

**Inhalation**

Move victims into fresh air.

Obtain medical attention.

**Skin contact**

Wash off with soap and plenty of water.

Obtain medical attention.

**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.

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

### 4.2. Most important symptoms and effects, both acute and delayed

#### Symptoms

None known

#### Hazards

None known

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

No hazards which require special first aid measures.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: water spray  
Alcohol-resistant foam  
CO2  
dry powder

Unsuitable extinguishing media: high volume water jet

### 5.2. 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.

### 5.3. Advice for firefighters

Employ protective equipment commonly used in the event of fire.  
In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.  
Do not inhale vapours / aerosols.  
Ensure there is sufficient ventilation.

### 6.2. Environmental precautions

Introduction into soil, natural water bodies or sewerage must be prevented.

### 6.3. Methods and material for containment and cleaning up

Dilute with plenty of water.

### 6.4. Reference to other sections

Wear personal protective equipment; see section 8.  
Disposal considerations; see section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Use only in well-ventilated areas.  
Ensure suitable suction/aeration at the work place and with operational machinery.

### 7.2. Conditions for safe storage, including any incompatibilities

#### 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

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

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### German storage class

3 - Flammable liquids

### 7.3. Specific end use(s)

We are unaware of any specific end uses which go beyond the data reported in Section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>• ethanol; ethyl alcohol</b>			
CAS-No.	64-17-5	EC-No.	200-578-6
Control parameters	1000 ppm 1920 mg/m3		Time Weighted Average (TWA):(EH40 WEL)
<b>• acetone; propan-2-one; propanone</b>			
CAS-No.	67-64-1	EC-No.	200-662-2
Control parameters	500 ppm 1210 mg/m3		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	1500 ppm 3620 mg/m3		Short Term Exposure Limit (STEL):(EH40 WEL)
Control parameters	500 ppm 1210 mg/m3 Indicative		Time Weighted Average (TWA):(EU ELV)
<b>• methyl acetate</b>			
CAS-No.	79-20-9	EC-No.	201-185-2
Control parameters	200 ppm 616 mg/m3		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	250 ppm 770 mg/m3		Short Term Exposure Limit (STEL):(EH40 WEL)
<b>• Ethylacetate</b>			
CAS-No.	141-78-6	EC-No.	205-500-4
Control parameters	400 ppm		Short Term Exposure Limit (STEL):(EH40 WEL)
Control parameters	200 ppm		Time Weighted Average (TWA):(EH40 WEL)
<b>• glycerol</b>			
CAS-No.	56-81-5	EC-No.	200-289-5
Control parameters	10 mg/m3		Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Mist.		

### 8.2. Exposure controls

#### Engineering measures

Ensure that there is suitable air extraction / ventilation in the workplace or at the working machines. If necessary extractor suction on specific objects., Do not breathe solvent vapours.

#### Personal protective equipment

##### Respiratory protection

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

##### Hand protection

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)

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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/face 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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Form liquid

Colour blue

Odour aromatic

Odour threshold: no data available

pH 7 Medium: Water

Melting point/range < -100 °C

Boiling point/range < 78 °C

Flash point 19 °C

Evaporation rate no data available

Flammability (solid, gas) Flammable

Lower explosion limit 3.5 %(V)

tested substance:  
Ethanol

Upper explosion limit 15 %(V)  
tested substance:  
Ethanol

Vapour pressure no data available

Density 0.81 g/cm<sup>3</sup>

Miscibility in water completely miscible

Partition coefficient: n-  
octanol/water no data available

Autoinflammability Not capable of spontaneous combustion or heating.

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Thermal decomposition no data available

Viscosity, dynamic no data available

Explosiveness no data available

Oxidizing properties no data available

### 9.2. Other information

Other information No further physicochemical data were determined.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapours may form explosive mixture with air.

### 10.2. Chemical stability

Under normal conditions: stable.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Heating can release vapours which can be ignited., In use, may form flammable/explosive vapour-air mixture.

### 10.4. Conditions to avoid

Keep away from sources of ignition - No smoking.

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

None known

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute oral toxicity LD50 Rat: 7060 mg/kg  
Test substance: Ethanol

Acute inhalation toxicity no data available

Acute dermal toxicity no data available

Skin irritation no data available

Eye irritation no data available

Sensitization no data available

Repeated dose toxicity no data available

Mutagenicity assessment no data available

Carcinogenicity No data available

Toxicity to reproduction No data available

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## SECTION 12: Ecological information

### 12.1. Toxicity

*No ecotoxicological studies are available.*

Toxicity to fish LC50 *Leuciscus idus melanotus*: 8140 mg/l

Test substance: Ethanol  
literature

LC50 *Leuciscus idus melanotus*: 270 mg/l

Test substance: Ethylacetate  
literature

Toxicity in aquatic invertebrates EC 3 *Daphnia magna*: 7800 mg/l

Test substance: Ethanol

EC50 *Daphnia magna*: 2500 mg/l

Test substance: Ethylacetate

Toxicity to algae TGK *Scenedesmus quadricauda*: 15 mg/l moderate

Test substance: Ethylacetate  
literature

Toxicity to bacteria EC 10 *Pseudomonas putida*: 6500 mg/l

Test substance: Ethanol  
literature

EC 10 *Pseudomonas putida*: 650 mg/l

Test substance: Ethylacetate  
literature

### 12.2. Persistence and degradability

Biodegradability Result: easily biodegradable

### 12.3. Bioaccumulative potential

Bioaccumulation no data available

### 12.4. Mobility in soil

Mobility No data available

### 12.5. Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

### 12.6. Other adverse effects

Further Information Introduction into soil, natural water bodies or sewerage must be prevented.

## SECTION 13: Disposal considerations

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**13.1. Waste treatment methods****Product**

Disposal according to local authority regulations.

**Uncleaned packaging**

Disposal according to local authority regulations.

**SECTION 14: Transport information****Transport on land (ADR/RID/GGVSEB)**

14.1. UN number:	UN 1170
14.2. UN proper shipping name:	ETHANOL SOLUTION
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
14.5. Environmental hazards:	--
14.6. Special precautions for user:	Yes
ADR: Tunnel Restriction Code: (D/E)	
ADR: Observe listed materials regulation §35, paragraph 1 GGVSEB	

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

14.1. UN number:	UN 1170
14.2. UN proper shipping name:	ETHANOL SOLUTION
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
14.5. Environmental hazards:	--
14.6. Special precautions for user:	No

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

14.1. UN number:	UN 1170
14.2. UN proper shipping name:	Ethanol solution
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
14.5. Environmental hazards:	--
14.6. Special precautions for user:	Yes
IATA-C: ERG-Code 3L, Maximum Net Quantity per Package 60 L	
IATA-P: ERG-Code 3L, Maximum Net Quantity per Package 5 L	

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

14.1. UN number:	UN 1170
14.2. UN proper shipping name:	ETHANOL SOLUTION
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
14.5. Environmental hazards:	--
14.6. Special precautions for user:	No
EmS:	F-E,S-D

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
for transport approval see regulatory information

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National legislation**

employment restriction

Note employment restrictions for pregnant and lactating women., Note employment restrictions for minors.

**15.2. Chemical safety assessment**



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Chemical safety assessment    No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH Regulation is required for this product.

**SECTION 16: Other information****Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)**

Classification	Classification procedure
Flam. Liq., 2 , H225	

**Relevant H phrases from chapter 3**

H225 : Highly flammable liquid and vapour.  
H319 : Causes serious eye irritation.  
H336 : May cause drowsiness or dizziness.

**Further information**

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

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

**Legend**

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration factor
<b>BetrSichV</b>	German Ordinance on Industrial Safety and Health
<b>c.c.</b>	closed cup
<b>CAS</b>	Chemical Abstract Services
<b>CESIO</b>	European Committee of Organic Surfactants and their Intermediates
<b>ChemG</b>	German Chemicals Act
<b>CMR</b>	carcinogenic-mutagenic-toxic for reproduction
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived minimum effect level
<b>DNEL</b>	Derived no effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EC50</b>	half maximal effective concentration
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods

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<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest observed adverse effect level
<b>LOEL</b>	Lowest observed effect level
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>REACH</b>	REACH registration
<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern
<b>TA</b>	Technical Instructions
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances
<b>VCI</b>	German chemical industry association
<b>vPvB</b>	very persistent, very bioaccumulative
<b>VOC</b>	volatile organic compounds
<b>VwVwS</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	Water Hazard Class
<b>WHO</b>	World Health Organization