

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Trade name: KKD Honing oil  
Revision date: 11.06.2014

KENTZLER  
KASCHNER  
DENTAL

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## 01. Identification of the substance/mixture and of the company/undertaking

### 1.1 Trade name

KKD Honing oil

### Item-No (REF)

3594 – 30 ml  
13594 – 120 ml

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

Industrial

### 1.3 Producer

Kentzler-Kaschner Dental GmbH

### Street / PO Box

Mühlgraben 36

### National indicator / Code / City

D - 73479 Ellwangen

### Information

Phone +49/7961/90 73 0

### Telephone / Telefax / e-mail

Phone +49/7961/90 73 0 FAX: 07961/52031 /E-Mail: info@kkd-topdent.de

### Emergency telephone number

Phone +49/7961/90 73 0

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## 02. Hazards identification

### 2.1 Classification (67/548/EEC, 1999/45/EC)

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### 2.2 Label elements

#### Labelling

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### 2.3 Other hazards

No data available.

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## 03. Composition/Information on Ingredients

### 3.1 Substances

#### 3.1.1 Chemical characterization (substance)

Polydimethylsiloxane

### 3.2 Mixtures

Not applicable

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## 04. First aid measures

### 4.1 Description of first aid measures

#### General information

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

#### After Inhalation

Provide fresh air.

#### After contact with the skin

Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

#### After contact with the eyes

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

#### After swallowing

Give several small portions of water to drink. Do not induce vomiting.

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

Any relevant information can be found in other parts of this section.

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

No data available.

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## 05. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water mist, extinguishing powder, alcohols-resistant foam, carbon dioxide, sand.

#### Extinguishing media which must not be used for safety reasons

Water spray, water jet.

### 5.2 Special hazards arising from the substance or mixture

Not applicable.

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### 5.3 Advice for firefighters

#### Special protective equipment for fire fighting

Use respiratory protection independent of recirculated air.

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## 06. Accidental release measures

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

If material is released indicate risk of slipping. Do not walk through spilled material.

### 6.2 Environmental precautions

Prevent material from entering surface waters, drains, or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Close leak if possible without risk.

### 6.3 Methods and material for containment cleaning up

Take up mechanically and dispose of according to local / state / federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local / state / federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slipper coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

### 6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

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## 07. Handling and storage

### 7.1 Precautions for safe handling

#### General information

No special protective measures required.

#### Precautions for safe handling

Spilled substance increases risk of slipping.

#### Precautions against fire and explosion

Observe the general rules for fire prevent.

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

#### Conditions for storage rooms and vessels

None known.

#### Advice for storage of incompatible materials

Not applicable.

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## Further information for storage

Keep container tightly closed. Store in a dry and cool place.

## Maximum temperature allowed during storage and transportation

50 °C

## 7.3 Specific end uses

No data available.

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## 08. Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Maximum airborne concentrations at the workplace

**Material:** Aerosol – respirable fraction

**CAS-No.:** -

**Type:** .

**mg/m<sup>3</sup>:** 10.0

The aerosol limit specified is a recommendation should aerosol be formed during processing.

### 8.2 Exposure controls

#### 8.2.1 Exposure in the workplace limited and controlled

##### General protection and hygiene measures

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat or drink when handling.

##### Personal protection equipment

##### Respiratory protection

Not required.

##### Hand protection

Recommendation:

Protective gloves made of butyl rubber, nitrile rubber protective gloves. The selection of appropriate gloves not only depends on the material, but also on other quality characteristics, and may vary depending on the manufacturer. Please observe information from your glove supplier in terms of permeability and breakthrough time.

##### Eye protection

Recommendation:

Protective goggles.

#### 8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil.

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## 09. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** liquid  
**Colour:** Colourless, clear  
**Odour:** odourless

#### Important information about the protection of health, safety and the environment

Property	Value	Method
<b>pH-Value:</b>	approx. 7	
<b>Melting point / melting range:</b>	-50 °C	
<b>Boiling point / boiling range:</b>	Not applicable.	
<b>Flash point:</b>	> 300 °C	ISO 2592
<b>Ignition temperature:</b>	approx. 450 °C	DIN 51794
<b>Lower explosion limit:</b>	Not applicable.	
<b>Upper explosion limit:</b>	Not applicable.	
<b>Density:</b>	approx. 0.97 g/cm <sup>3</sup> at 25 °C	DIN 51757
<b>Water solubility / miscibility:</b>	Virtually insoluble at 20 °C	
<b>Viscosity dynamic:</b>	200 mPa.s at 25 °C	DIN53019
<b>Viscosity kinematic:</b>	approx. 200 mm <sup>2</sup> /s at 25 °C	DIN 53019
<b>Vapour pressure.</b>	Not applicable	

### 9.2 Other information

Thermal decomposition: Decomposition begins at > 250 °C.

## 10. Stability and reactivity

### 10.1- Reactivity, Chemical stability, Possibility of hazardous reactions

**10.3** If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant Information can possibly be found in other parts of this section.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

If stored and handled properly: none known.

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 11.1.1 Acute toxicity

Assessment:

Based on the available data acute toxic effects are not expected after single oral exposure.

Based on the available data acute toxic effects are not expected after single dermal exposure.

#### Product details

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: > 5000 mg/kg	Rat	Conclusion by analogy
Dermal	LD50: > 2008 mg/kg	Rat	Conclusion by analogy

#### 11.1.2 Skin corrosion / irritation

Assessment:

Based on the available data a clinically relevant skin irritation hazard is not expected.

#### Product details

Result / Effect	Species / Test system	Source
Not irritating	Rabbit	Conclusion by analogy

#### 11.1.3 Serious eye damage / eye irritation

Assessment:

Based on the available data a clinically relevant eye irritation hazard is not expected.

#### Product details

Result / Effect	Species / Test system	Source
Not irritating	Rabbit	Conclusion by analogy

#### 11.1.4 Respiratory or skin sensitization

Assessment:

Based on the available data a sensitization reaction is not expected from this product.

#### Product details

Route of exposure	Result/Effect	Species/Test system	Source
Dermal	Not sensitizing	Guinea-pig; Magnusson-Kligman	Conclusion by analogy OECD 406

#### 11.1.5 Germ cell mutagenicity

Assessment:

Based on known data a significant mutagenic potential may be excluded.

#### Product details

Result / Effect	Species / Test system	Source
Negative	Mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

#### 11.1.6 Carcinogenicity

Assessment:

For this endpoint to toxicological test data is available for the whole product.

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## 11.1.7 Reproductive toxicity

Assessment:  
For this endpoint no toxicological test data is available for the whole product.

## 11.1.8 Specific target organ toxicity (single exposure)

Assessment:  
For this endpoint no toxicological test data is available for the whole product.

## 11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:  
For this endpoint no toxicological test data is available for the whole product.

## 11.1.10 Aspiration hazard

Assessment:  
For this endpoint no toxicological test data is available for the whole product.

## 11.1.11 Further toxicological information

Human patch test: Product displays good compatibility with the skin.

## 12. Ecological information

### 12.1 Toxicity

Assessment:  
No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

#### Product details

Result / Effect	Species / Test system	Source
0.0001 mg/l (measured)	Static (water-accommodated fraction)	Literature
Effect level > maximum achievable concentration	Daphnia magna (48 h)	(Polydimethylsiloxane)
IC50 (growth rate): > 100000 mg/l (nominal)	Marine alga (skeleonema costatum) (72 h)	Literature (Polydimethylsiloxane)
NOEC (chronic): > 10000 mg/kg	Feeding study Rainbow trout (Oncorhynchus mykiss) (28 d)	Literature (Polydimethylsiloxane)

### 12.2 Persistence and degradability

Assessment:  
Biologically not degradable. Absorbed by floating particles. Separation by sedimentation.  
Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

### 12.3 Bioaccumulative potential

Assessment:  
Polymer component: Bioaccumulation is not expected to occur.

### 12.4 Mobility in soil

Assessment:  
Polymer component: Insoluble in water. Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

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### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

None known.

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## 13. Disposal considerations

### 13.1 Waste treatment methods

#### 13.1.1 Material

Recommendation:

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

#### 13.1.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local / state / federal regulations.

#### 13.1.3 Waste Disposal Legislation Ref.No. (EC)

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

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## 14. Transport information

### 14.1-14.4 UN number, UN proper shipping name, Transport hazard classes, Packing group

#### Road

##### ADR

Valuation: Not regulated for transport

#### Railway

##### RID

Valuation: Not regulated for transport

#### Transport by sea

##### IMDG-Code

Valuation: Not regulated for transport

#### Air transport

##### ICAO-TI / IATA-DGR

Valuation: Not regulated for transport

### 14.5 Environmental hazards

Hazardous to the environment: No



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### 14.6 Special precautions for user

Relevant information in other sections have to be considered.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Bulk transport in tankers is not intended.

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## 15. Regulatory information

### 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

#### Relevant regulations

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999. Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

### 15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

### 15.3 Other international regulations

#### Details of international registration status:

Listed on or in accordance with the following inventories:

IECSC – China

EINECS- Europe

ENCS – Japan

PICCS – Philippines

ECL – Korea

DSL – Canada

TSCA – USA

AICS - Australia

#### Water contaminating class (Germany)

Class: 1

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### 16. Other information

**Issuing Department for Safety Data Sheet**  
Product Development / Quality Management

**Source of the most important Information**  
Safety Data Sheet of the Manufacturer

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#### GENERAL HINTS

The information contained herein is based on the present state of our knowledge and on our experiences with the product. The material safety data sheet is strictly intended for risk minimizing when handling the product. The informations characterize it exclusively with regard to safety aspects and does not represent a guarantee of the properties of the product within the meaning of our general terms and conditions. The information does not dispense the user from his duties of care with respect to the observance of present laws, regulations, and terms.

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