



# Safety Data Sheet

according to 2001/58/EC

## Orthoskavident C

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### 1. Identification of the substance/preparation and of the company/undertaking

#### 1.1 Identification of the substance or preparation

Orthoskavident C

#### Use of the substance/preparation

Cavity cleaning liquid for cleaning and drying cavities and teeth after preparation. To be applied externally. For dental use.

#### 1.2 Company/undertaking identification

Company name : Kettenbach GmbH & Co. KG  
Street : Im Heerfeld 7  
Place : D-35713 Eschenburg  
Contact person : Quality Assurance Manager Telephone : + 49(0) 2774/705-0  
e-mail : info@kettenbach.de Telefax : +49 (0)2774/705-33  
Internet : www.kettenbach.de

### 2. Composition/information on ingredients

#### Chemical characterization

Preparation of isopropyl alcohol and acetone.

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-662-2	67-64-1	acetone, propan-2-one, propanone	45 - 55 %	F, Xi R11-36-66-67
200-661-7	67-63-0	isopropanol, isopropyl alcohol, propan-2-ol	45 - 55 %	F, Xi R11-36-67

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

### 3. Hazards identification

#### Classification

Symbols : Highly flammable  
R-phrases :  
Highly flammable.

#### Explication of special hazards for human health and environment

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

### 4. First aid measures

#### After inhalation

Provide fresh air. Consult physician if problems persist.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid. Subsequently consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting.  
Consult physician if problems persist. Caution if victim vomits: Risk of aspiration!

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#### 5. Fire-fighting measures

- Suitable extinguishing media** Water spray. Foam. Carbon dioxide (CO<sub>2</sub>).
- Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases** Vapours are heavier than air and will travel at floor level. explosive.
- Special protective equipment for fire-fighters** In case of fire: Wear self-contained breathing apparatus. Extinguishing materials should be selected according to the surrounding area.

#### 6. Accidental release measures

- Personal precautions** Wear suitable protective clothing and gloves.  
Remove from all sources of ignition. Provide adequate ventilation.
- Environmental precautions** Do not empty into drains or the aquatic environment.
- Methods for cleaning up/taking up** Wipe up with absorbent material (eg. cloth, fleece). Ventilate area.

#### 7. Handling and storage

##### 7.1 Handling

- Advice on safe handling** The following must be prevented: inhalation. eye contact.  
Use only in well-ventilated areas.
- Advice on protection against fire and explosion** Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges.

##### 7.2 Storage

- Requirements for storage rooms and vessels**
- Keep only in the original container in a cool, well ventilated place.

#### 8. Exposure controls/personal protection

##### 8.1 Exposure limit values

##### Exposure limits (EH40)

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

##### BAT values (TRGS 903)

CAS No.	Substance	Value	Parameter	Test material	Sampling time
67-63-0	2-Propanol	50 mg/l	Aceton	B	b
67-64-1	Aceton	80 mg/l	Aceton	U	b

##### 8.2 Exposure controls

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<b>Protective and hygiene measures</b>	When using do not eat, drink, smoke or sneeze. Avoid contact with skin, eye and clothing. Wash hands when done working with material; at breaks, lunch, shift changes, etc. Protect skin by using skin protective cream.
<b>Respiratory protection</b>	breathing protection indicated: Insufficient ventilation. Handling larger quantities.
<b>Hand protection</b>	Single-use gloves. Qualified materials: NR (Natural rubber (Caoutchouc), Natural latex). NBR (Nitrile rubber).
<b>Eye protection</b>	Framed glasses.
<b>Skin protection</b>	Suitable protection of the body: Lab apron.

## 9. Physical and chemical properties

### 9.1 General information

Physical state :	liquid
Colour :	colourless
Odour :	characteristic

### 9.2 Important health, safety and environmental information

	Test method
<b>Changes in the physical state</b>	
Boiling point :	55 - 88 °C
Flash point :	-18 °C
Lower explosion limits :	2 vol. %
Upper explosion limits :	12 vol. %
Vapour pressure :	41 hPa
at (20 °C)	
Density (at 20 °C) :	0,79 g/cm <sup>3</sup>
Water solubility :	highly soluble.

### 9.3 Other information

Ignition temperature :	540 °C
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## 10. Stability and reactivity

<b>Conditions to avoid</b>	heating.
<b>Materials to avoid</b>	Oxidizing agents.
<b>Additional information</b>	In use, may form flammable/explosive vapour-air mixture.

## 11. Toxicological information

<b>Acute toxicity</b>	Acute toxicity, oral LD50: > 2000 mg/kg rat.
<b>Corrosive and irritant effects</b>	Irritant effect on the skin: Has de-greasing effect on the skin. Irritant effect on the eye: irritant.
<b>Sensitising effects</b>	no danger of sensitization.

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#### Additional information on tests

Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation assessed by the manufacturer on the basis of the data sheets available on the main components. Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected.

### 12. Ecological information

#### Persistence and degradability

Easily biodegradable (concerning to the criteria of the OECD)

#### Bioaccumulative potential

No indication of bio-accumulation potential.

#### Additional information

Doesn't get into the sewage water as long as the process is carried out according to regulations. Leakage into the environment must be prevented. On the basis of existing data about the eliminationability/decomposition and bio-accumulation longer term damage to the environment is unlikely.

### 13. Disposal considerations

#### Advice on disposal

Dispose of waste according to applicable local, state, and federal regulations.

#### Contaminated packaging

Cleaned containers may be recycled.

### 14. Transport information

#### Land transport (ADR/RID)

ADR/RID class : 3  
Warnings plate  
Hazard-no. : 33  
UN number : 1993  
Hazard label : 3  
ADR/RID packing group : II

#### Description of the goods

ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (2-Propanol)  
(Dampfdruck bei 50 °C höchstens 110 kPa)

#### Inland waterways transport

ADN/ADNR class : 3  
UN number : 1993

#### Description of the goods

ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (2-Propanol)  
(Dampfdruck bei 50 °C höchstens 110 kPa)

#### Marine transport

IMDG code : 3  
UN number : 1993  
Marine pollutant : mp  
EmS : F-E, S-E  
IMDG packing group : II  
Hazard label : 3

#### Air transport

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ICAO/IATA-DGR :	3
UN/ID number :	1993
Hazard label :	3
IATA-packing instructions - Passenger :	305
IATA-max. quantity - Passenger :	5l
IATA-packing instructions - Cargo :	307
IATA-max. quantity - Cargo :	60l
ICAO packing group :	II

#### Description of the goods

FLAMMABLE LIQUID, N.O.S.

### 15. Regulatory information

#### 15.1 Labelling

Indication of danger : F - Highly flammable



F - Highly flammable

**R phrases :** 11 Highly flammable.

#### 15.2 National regulations

Water contaminating class : 3 - highly water contaminating

### 16. Other information

#### List of relevant R phrases

11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

#### 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.)*