

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Orthoskavident C

Revision date: 22.05.2018

Product code: 13063,13065

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Orthoskavident C

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

#### Use of the substance/mixture

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

### 1.3. Details of the supplier of the safety data sheet

Company name:	Kettenbach GmbH & Co. KG	
Street:	Im Heerfeld 7	
Place:	D-35713 Eschenburg	
Telephone:	+ 49(0) 2774/705-0	Telefax: +49 (0)2774/705-66
e-mail:	info@kettenbach.com	
Contact person:	Regulatory Affairs Manager	Telephone: +49 (0)2774/705-0
Internet:	www.kettenbach.com	
Responsible Department:	Regulatory Affairs	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

acetone; propan-2-one; propanone

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger

Pictograms:



##### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

##### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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P337+P313 present and easy to do. Continue rinsing.  
 P370+P378 If eye irritation persists: Get medical advice/attention.  
 P403+P235 In case of fire: Use Carbon dioxide (CO<sub>2</sub>).Foam.Dry extinguishing powder. to extinguish.  
 Store in a well-ventilated place. Keep cool.

#### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

#### 2.3. Other hazards

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Preparation of isopropyl alcohol and acetone.

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
67-64-1	acetone; propan-2-one; propanone			45 - 55 %
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			45 - 55 %
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Provide fresh air. Seek medical attention if problems persist.

##### After contact with skin

Change contaminated clothing. After contact with skin, wash immediately with: Water.

##### After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

##### After ingestion

Caution if victim vomits: Risk of aspiration! Do NOT induce vomiting.

Seek medical attention if problems persist.

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

Irritant. Dizziness. Anaesthetic state. vomiting. gastro-intestinal ailment. Headache. Corneal opacity.

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

No information available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

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#### Unsuitable extinguishing media

No information available.

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

Formation of potentially explosive vapor/air mixtures is possible. Vapours are heavier than air and will spread at floor level. Beware of reignition.

#### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.  
Move undamaged containers from immediate hazard area if it can be done safely.

### SECTION 6: Accidental release measures

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

Wear suitable protective clothing and gloves.  
Remove all sources of ignition. Provide adequate ventilation.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

Wipe up with absorbent material (eg. cloth, fleece). Ventilate affected area.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe 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. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.

##### Further information on storage conditions

Keep away from heat. Keep away from sources of ignition - No smoking. Conditions to avoid:  
UV-radiation/sunlight.

#### 7.3. Specific end use(s)

refer to chapter 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/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

#### 8.2. Exposure controls

##### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

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Avoid contact with skin, eyes and clothes. Change contaminated clothing.  
Wash hands before breaks and after work. Protect skin by using skin protective cream.

#### Eye/face protection

Framed glasses.

#### Hand protection

Single-use gloves. Suitable material: NR (Natural rubber (Caoutchouc), Natural latex). NBR (Nitrile rubber).

#### Skin protection

Suitable protective clothing: Lab apron.

#### Respiratory protection

Respiratory protection necessary at: insufficient ventilation. Handling larger quantities.

#### Environmental exposure controls

Do not empty into drains.

Explosion hazard.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	colourless
Odour:	characteristic
pH-Value (at 20 °C):	5 - 6

#### Changes in the physical state

Initial boiling point and boiling range:	55 - 88 °C
Flash point:	-18 °C
Lower explosion limits:	2 vol. %
Upper explosion limits:	12 vol. %
Ignition temperature:	540 °C
Vapour pressure: (at 20 °C)	41 hPa
Density (at 20 °C):	0,79 g/cm <sup>3</sup>
Water solubility:	highly soluble.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

### 10.2. Chemical stability

Sensitivity to light.

### 10.3. Possibility of hazardous reactions

Exothermic reactions with: Oxidizing agents. - Explosion hazard. Ignition hazard.

### 10.4. Conditions to avoid

heat.

### 10.5. Incompatible materials

Oxidizing agents.

### Further information

In use, may form flammable/explosive vapour-air mixture.

## SECTION 11: Toxicological information

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#### 11.1. Information on toxicological effects

##### Acute toxicity

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
67-64-1	acetone; propan-2-one; propanone					
	oral	LD50 mg/kg	5800	@N11.P0000002	RTECS	
	dermal	LD50 mg/kg	20000	@N11.P0000003	IUCLID	
	inhalative (4 h) vapour	LC50	76 mg/l	@N11.P0000002		

##### Irritation and corrosivity

Irritant effect on the skin: Has de-greasing effect on the skin.

Irritant effect on the eye: irritant.

##### Sensitising effects

no danger of sensitization.

##### Additional information on tests

May cause drowsiness or dizziness.

#### SECTION 12: Ecological information

##### 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50 mg/l	5540	96 h Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50 mg/l	6100	48 h Daphnia magna		

##### 12.2. Persistence and degradability

Easily biodegradable (concerning to the criteria of the OECD)

##### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24

##### 12.4. Mobility in soil

No information available.

##### 12.5. Results of PBT and vPvB assessment

No information available, because for the substance no chemical safety report is required.

##### Further 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.

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

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#### Advice on disposal

Dispose of waste according to applicable legislation.

#### Contaminated packaging

Cleaned containers may be recycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUIDS, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640C  
Limited quantity: 1 L  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

#### Other applicable information (land transport)

E2

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUIDS, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640C  
Limited quantity: 1 L

#### Other applicable information (inland waterways transport)

E2

#### Marine transport (IMDG)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
(2-Propanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



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Special Provisions: 274  
 Limited quantity: 1 L  
 EmS: F-E, S-E

**Other applicable information (marine transport)**  
 E2

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
 (2-Propanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Limited quantity Passenger: 1 L  
 IATA-packing instructions - Passenger: 305  
 IATA-max. quantity - Passenger: 5l  
 IATA-packing instructions - Cargo: 307  
 IATA-max. quantity - Cargo: 60l

**Other applicable information (air transport)**  
 E2  
 Passenger-LQ: Y341

## SECTION 15: Regulatory information

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

#### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

## SECTION 16: Other information

#### Changes

Update 2018-05-17

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

#### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

#### Further Information

@N16.P0000001 @N16.P0000002

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*