

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 1 of 10

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

1.1. Product identifier

Orthoskavident® C

Further trade names

Orthoskavident® C (13063, 13065)

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.

Uses advised against

Use by untrained dental personnel and/or unapproved areas of application.

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	
Internet:	www.kettenbach.com	
Responsible Department:	R&D	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 2; H225
Eye Irrit. 2; H319
STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol
acetone; propan-2-one; propanone

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.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 2 of 10

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 (GB CLP Regulation)			
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			
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			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
67-64-1	200-662-2	acetone; propan-2-one; propanone	>45 - <55 (*) %
	inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 20000 mg/kg; oral: LD50 = 5800 mg/kg		

Further Information

(*) The actual concentration is withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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.

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 3 of 10

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 (CO₂). Extinguishing powder.

Unsuitable extinguishing media

None known.

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.

Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protection equipment.

Provide adequate ventilation.

Remove all sources of ignition.

For non-emergency personnel

Do not breathe mist/vapours/spray.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

Cover drains. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information

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

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Section 12: Ecological Information (non-mandatory)

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.

Advice on general occupational hygiene

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

Avoid contact with skin, eyes and clothes. Change contaminated clothing.

Wash hands before breaks and after work. Protect skin by using skin protective cream.

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 4 of 10

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

Please pay attention to the information on the package!

Keep away from heat.

Keep away from sources of ignition - No smoking.

Conditions to avoid: UV-radiation/sunlight.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are foreseen.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	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

Additional advice on limit values

None.

8.2. Exposure controls



Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety 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.

Thermal hazards

Heating causes rise in pressure with risk of bursting.

Environmental exposure controls

Do not allow to enter into surface water or drains.

Explosion hazard.

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 5 of 10

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	Aromatic, after alcohol
Odour threshold:	1 ppm

Test method

Melting point/freezing point:	~-90 °C
Boiling point or initial boiling point and boiling range:	56 °C
Flammability:	No data available
Lower explosion limits:	2,5 vol. %
Upper explosion limits:	14,3 vol. %
Flash point:	< -20 °C
Auto-ignition temperature:	535 °C
Decomposition temperature:	No data available
pH-Value (at 20 °C):	5 - 6
Viscosity / kinematic:	No data available
Water solubility:	highly soluble.
Solubility in other solvents:	No data available
Dissolution rate:	No data available
Vapour pressure:	246 hPa
(at 20 °C)	
Vapour pressure:	814 hPa
(at 50 °C)	
Density (at 20 °C):	0.79 g/cm ³
Relative density:	No data available
Bulk density:	Not applicable.
Relative vapour density:	No data available
Particle characteristics:	Not applicable.

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

Formation of potentially explosive vapor/air mixtures is possible.

Oxidizing properties

None.

Other safety characteristics

Softening point:

DIN ISO 4625

Further Information

The physical data presented above are typical values and should not be construed as a specification.

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

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 6 of 10

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

10.4. Conditions to avoid

heat.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

No data available

Further information

Further risks: see subsection 2.3.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

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

Irritant effect on the eye: irritant.

Sensitising effects

Based on available data, the classification criteria are not met.

no danger of sensitization.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol; acetone; propan-2-one; propanone)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

May cause drowsiness or dizziness.

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 7 of 10

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

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	Oncorhynchus 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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

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

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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

Disposal recommendations

Dispose of contents/container in accordance with local/regional/national international regulations.

Hazardous waste according to Directive 2008/98/EC (waste framework directive).

The waste code has to be identified in agreement with the disposal company or the competent authority.

Contaminated packaging

Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

UN 1993

14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (ACETON, ISOPROPANOL)

14.3. Transport hazard class(es):

3

14.4. Packing group:

II

Hazard label:

3

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 8 of 10



Classification code: F1
 Special Provisions: 274 601 640D
 Limited quantity: 1 L
 Excepted quantity: E2
 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 or ID number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (ACETON, ISOPROPANOL)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 274 601 640D
 Limited quantity: 1 L
 Excepted quantity: E2

Other applicable information (inland waterways transport)

E2

Marine transport (IMDG)

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



Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-E, S-E

Other applicable information (marine transport)

E2

Air transport (ICAO-TI/IATA-DGR)

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



Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 9 of 10

Special Provisions:	A3	
Limited quantity Passenger:	1 L	
Passenger LQ:	Y341	
Excepted quantity:	E2	
IATA-packing instructions - Passenger:		353
IATA-max. quantity - Passenger:		5 L
IATA-packing instructions - Cargo:		364
IATA-max. quantity - Cargo:		60 L

Other applicable information (air transport)

E2

Passenger-LQ: Y341

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	No
Danger releasing substance:	not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s):

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

Date of preparation / Revised on: 05/03/2026

Version number: 1,02

Replaces version number: 1,01 (23/05/2018)

Abbreviations and acronyms

ATE: Acute toxicity estimate. CAS: Chemical abstracts service. CFR: Code of Federal Regulations. DNEL: Derived No Effect Level EC50: 50% of maximal effective concentration. FDA: Food and Drug Administration. GHS: Globally Harmonised System. IATA: International air transport association. ICAO: Technical instructions for the safe transport of dangerous goods by air. IMDG: International maritime dangerous goods. LC50: Lethal concentration to 50 % of a test population. LD50: Lethal dose to 50% of a test population (median lethal dose). NOAEL: No Observed Adverse Effect Level. PBT: Persistent, bioaccumulative and toxic substance. PEL: Permissible Exposure Limit. PNEC: Predicted No Effect Concentration. REL: Recommended exposure limit. STOT RE: Specific Target Organ Toxicity – Single Exposure. STOT SE: Specific Target Organ Toxicity – Repeated Exposure. TWA: 8-hour Time Weighted Averages (long-term exposure limit). US OSHA: US Occupational Safety and Health Administration. vPvB: Very persistent and very bioaccumulative.

Key literature references and sources for data

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

Safety Data Sheet

according to UK REACH Regulation

Orthoskavident® C

Revision date: 05.03.2026

Page 10 of 10

Classification for mixtures and used evaluation method according to GB CLP Regulation

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

Training instructions: Use only by personnel trained in dentistry.

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.

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