

## Safety Data Sheet

### Cavicide & Desident Cavicide

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name : Cavicide & Desident Cavicide

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

###### Relevant identified uses

Main use category : Professional use

Function or use category : Cleaner and disinfectant of medical device surfaces.

###### Uses advised against

No additional information available

##### 1.3. Details of the supplier of the safety datasheet

###### Supplier

SpofaDental a.s.  
 Markova 238  
 CZ-506 01 Jicin Czech Republic  
 T +420 493 583 204

###### Manufacturer

SpofaDental a.s.  
 Markova 238  
 CZ-506 01 Jicin Czech Republic  
 T +420 493 583 204

Contact person : safety@kavokerr.com - tel. +41 91 610 06 00 (08.00-17.00)

##### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Gibraltar	GHA Call Centre Zone 2, Level3, St Bernard's Hospital	Harbour Views Road	+350 200 79700 +350 200 72266
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319

Full text of hazard classes and H-statements : see section 16

##### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 – Causes serious eye irritation

Precautionary statements (CLP)	: P264 – Wash hands thoroughly after handling. P280 - Wear eye protection, protective gloves. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention
Extra phrases	: On basis of test data: The mixture need not be classified as corrosive in spite of the extreme pH

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol, isopropyl alcohol, isopropanol	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	15 - 18	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0 (REACH-no) 01-2119475108-36	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
benzethonium chloride	(CAS-No.) 121-54-0 (EC-No.) 204-479-9 (REACH-no) N/A	< 0.3	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

First-aid measures general	: No particular/specific measures required.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/effects	: In all cases of doubt, or when symptoms persist, seek medical attention.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

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

Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical attention.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO <sub>2</sub> ) and powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Combustible liquid.
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Explosion hazard : Product is not explosive.  
 Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide.

**5.3. Advice for firefighters**

Firefighting instructions : Use water spray or fog for cooling exposed containers.  
 Protection during firefighting : Do not enter fire area without proper personal protective equipment, including respiratory protection.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

General measures : Wear appropriate personal protective equipment - see Section 8. Avoid contact with skin and eyes. No open flames. No smoking. Use special care to avoid static electric charges. No flames, no sparks. Eliminate all sources of ignition.

**For non-emergency personnel**

No additional information available

**For emergency responders**

No additional information available

**6.2. Environmental precautions**

Discharging into rivers and drains is forbidden.

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

For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

**6.4. Reference to other sections**

For further information refer to section 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Precautions for safe handling : Keep container tightly closed. Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Keep container tightly closed. Keep only in original container. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep cool. Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials : Oxidizing substances.

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

Consult the supplier for further information.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

<b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>		
Ireland	Local name	Isopropyl alcohol
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Ireland	Notes (IE)	Sk
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
<b>2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)</b>		
EU	Local name	2-Butoxyethanol
EU	IOELV TWA (mg/m <sup>3</sup> )	98 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	Skin

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)		
Gibraltar	Eight hours mg/m <sup>3</sup>	98 mg/m <sup>3</sup>
Gibraltar	Eight hours ppm	20 ppm
Gibraltar	Short-term mg/m <sup>3</sup>	246 mg/m <sup>3</sup>
Gibraltar	Short-term ppm	50 ppm
Ireland	Local name	2-Butoxyethanol (EGBE)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	98 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	20 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	50 ppm
Ireland	Notes (IE)	Sk , IOELV
Malta	Local name	2-Butoxyethanol
Malta	OEL TWA (mg/m <sup>3</sup> )	98 mg/m <sup>3</sup>
Malta	OEL TWA (ppm)	20 ppm
Malta	OEL STEL (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
Malta	OEL STEL (ppm)	50 ppm
United Kingdom	Local name	2-Butoxyethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	123 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	246 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)

**8.2. Exposure controls**

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Gloves. Safety glasses.
- Hand protection : Butylrubber protective gloves. Nitrile rubber gloves. Breakthrough time : > 60 minutes. Layer thickness : 0,1mm. STANDARD EN 374.
- Eye protection : Safety glasses. STANDARD EN 166.
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation



Other information : Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

- Physical state : Liquid
- Colour : clear. amber.
- Odour : mint.
- Odour threshold : Not determined
- pH : 11 - 12.5
- Relative evaporation rate (butylacetate=1) : Not determined
- Melting point : Not determined
- Freezing point : Not determined
- Boiling point : 88 °C
- Flash point : 64 °C
- Auto-ignition temperature : Not determined
- Decomposition temperature : Not determined

Flammability (solid, gas)	: Not determined
Vapour pressure	: Not determined
Relative vapour density at 20 °C	: 2.1
Relative density	: 0.972 g/cm <sup>3</sup>
Solubility	: In water, material soluble.
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: Product is not explosive.
Oxidising properties	: Flammable liquid and vapour.
Explosive limits	: 2 vol % 12.7 vol %

**9.2. Other information**

Additional information : None to our knowledge.

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No polymerization.

**10.4. Conditions to avoid**

No flames, no sparks. Eliminate all sources of ignition.

**10.5. Incompatible materials**

Oxidizing agent. Acids. reducing materials.

**10.6. Hazardous decomposition products**

No decomposition if stored and used normally. Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Nitrogen oxides. Amines. Chlorine. Hydrogen chloride.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Acute toxicity : Not classified

<b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>	
LD50 oral rat	4710 mg/kg
LD50 dermal rat	12800 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	72.6 mg/l/4h
<b>2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)</b>	
LD50 oral rat	470 - 1746 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2.2 mg/l/4h
<b>benzethonium chloride (121-54-0)</b>	
LD50 oral rat	368 mg/kg

Skin corrosion/irritation	: Not classified pH: 11 - 12.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 11 - 12.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

<b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>	
LC50 fish 1	4200 mg/l (96 hours Rasbora heteromorpha)
EC50 Daphnia 1	13300 mg/l EC50 48h - Daphnia magna [mg/l]
<b>2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)</b>	
LC50 fish 1	1125 mg/l Menidia berylina
EC50 Daphnia 1	835 mg/l (48 hours - Daphnia magna)
IC50 algae	> 286 mg/l 72 hours - Pseudokirchnerella subcapitata
<b>benzethonium chloride (121-54-0)</b>	
LC50 fish 1	1.4 mg/l (96 hours - Lepomis macrochirus)
EC50 Daphnia 1	70 mg/l

**12.2. Persistence and degradability**

<b>Cavicide &amp; Desident Cavicide</b>	
Persistence and degradability	No data available.
<b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>	
Persistence and degradability	Readily biodegradable.
BOD (% of ThOD)	0.3 - 0.6 % ThOD BOD5/COD
Biodegradation	84 % (OECD 301D method)
<b>2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)</b>	
Biodegradation	95 % (OECD 301E method)

**12.3. Bioaccumulative potential**

<b>Cavicide &amp; Desident Cavicide</b>	
Log Pow	Not determined
Bioaccumulative potential	Not potentially bioaccumulable.
<b>propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>	
Bioconcentration factor (BCF REACH)	< 100
Log Pow	2.97
<b>2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)</b>	
Bioconcentration factor (BCF REACH)	3
Log Pow	0.84

**12.4. Mobility in soil**

<b>Cavicide &amp; Desident Cavicide</b>	
Ecology - soil	soluble in water.

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

<b>Cavicide &amp; Desident Cavicide</b>	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

**12.6. Other adverse effects**

Other adverse effects : None to our knowledge.  
 Additional information : No other effects known

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Regional legislation (waste) : Dispose as hazardous waste.  
 Waste treatment methods : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions.  
 Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
 Ecology - waste materials : Avoid release to the environment.  
 European List of Waste (LoW) code : 19 02 08\* - liquid combustible wastes containing dangerous substances

**SECTION 14: TRANSPORT INFORMATION**

In accordance with ADR / RID / IMDG / IATA / ADN

<b>14.1. UN number</b>
Not regulated for transport
<b>14.2. UN proper shipping name</b>
<b>14.3. Transport hazard class(es)</b>
<b>14.4. Packing group</b>
<b>14.5. Environmental hazards</b>
No supplementary information available

**14.6. Special precautions for user**

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

Not applicable

**SECTION 15: REGULATORY INFORMATION**

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

**EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

**National regulations**

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

**SECTION 16: OTHER INFORMATION**

Indication of changes:

1.3	Contact information	Updated	
2	Hazard identification	Updated	
5.2	Fire hazard	Updated	
9.1	Flash point	Updated	
14	Transport information	Updated	

Date of issue : 31/05/2016  
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 Version : 1.3

Full text of H- and EUH-statements:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

*The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.*