

# KERR TotalCare

## Material Safety Data Sheet

in accordance with Community Regulation 2006/1907/EC (R.E.A.Ch.)

Revision Date: 11<sup>th</sup> May 2009

### SECTION 1

#### Product & Company identification

1.1 Product name

**CaviCide**

1.2 Uses/Application:

Disinfectant and cleaner for medical devices.

1.3 Company (Name, address and info phone number)

**SpofaDental a.s.**

Markova 238

CZ-506 46 Jicin - Czech Republic

+420-493-583-204

1.4 Emergency phone (according to communitarian directive 99/45/EC, article 17)

+39.081.8508.325 (08.00-17.00, European time, GMT+1)

E-mail address: [safety@kerrhawe.com](mailto:safety@kerrhawe.com)

### SECTION 2

#### Hazard identification

2.1 Hazard classification (according to communitarian directives 67/548/EEC & 99/45/EC)

Irritating to eyes.

2.2 Other hazard

The product contains Isopropyl alcohol. It may be harmful if swallowed and, in presence of ignition sources and excessive heat, may be flammable.

### SECTION 3

#### Composition/Information on Ingredients

(according to communitarian directives 67/548/EEC, 99/45/EC & 2001/58/EC)

3.1 Hazardous ingredients

HAZARDOUS INGREDIENTS	%	HAZARD SYMBOLS	RISK PHRASES	CAS N.	EINECS N.
Isopropyl alcohol	15-18	F; Xi	11-36-67	67-63-0	200-661-7
Sodium Hydroxide	0,1	C	35	1310-73-2	215-185-5
2- butoxyethanol	1-5	Xn; Xi	20/21/22-36/38	111-76-2	203-905-0

3.2 Other non-hazardous ingredients

The product contains traces of Methyl Salicylate (See also Sections 11 and 16), water and other inert ingredients.

**SECTION 4****First aid measures**

- 4.1 Treatment for eye contact: Flush with water for 15 minutes. If irritation persists, seek medical attention.
- 4.2 Treatment for skin contact: Wash skin with soap and water.
- 4.3 Treatment for inhalation (breathing): Remove to fresh air. If irritation persists, seek medical attention.
- 4.4 Treatment for ingestion (swallowing): Do not induce vomiting. Give large amount of water. Seek medical attention.

**SECTION 5****Fire-fighting Measures**

- 5.1 Suitable extinguishing media: Carbon dioxide, dry chemical, foam.
- 5.2 Forbidden extinguishing media: Not determined.
- 5.3 Special fire fighting measures: None.
- 5.4 Unusual fire and explosion hazards: None.
- 5.5 Special protection equipment: Sealed overall.

**SECTION 6****Accidental Release Measures**

- 6.1 Personal Precautions: Follow recommended precautions listed in other sections.
- 6.2 Environmental Precautions: Material should not be allowed to drain into sewers.
- 6.3 Reclaiming Methods: Waste resulting from the use of this product must be disposed of in accordance with local regulations.

**SECTION 7****Handling and Storage** (according to article 5 of communitarian directive 98/24/EC)

- 7.1 Handling Precautions: Avoid exposure to excessive heat.
- 7.2 Precautions in case of Fire and Explosion: Extinguish all ignition sources.
- 7.3 Storage Conditions: Store at ambient temperature.
- 7.4 Suggested container(s): Original sealed containers provided by manufacturer.
- 7.5 Indication for Combined Storage: Avoid contact with acids.
- 7.6 Environmental precautions: Do not allow product to reach sewers and rivers.
- 7.7 Other Precautions: Keep out of reach of children. Do not ingest. Avoid eye contact and contamination of food. Use according to directions.

<b>SECTION 8</b> <b>Exposure controls/personal protection</b>	
8.1 Exposure Limits:	<u>PEL/TLV</u> : 400 ppm (Isopropyl alcohol)
8.2 Exposure control measures	
8.2.1 Precautionary Measures: (according to communitarian directives 89/686/EEC & article 4 of 98/24/EC)	
Ventilation:	<u>Local Exhaust Ventilation</u> : Adequate ventilation to maintain recommended exposure limits. <u>Special Ventilation</u> : None. <u>Mechanical (General) Ventilation</u> : Should be sufficient. <u>Other Ventilation</u> : Not applicable.
Respiratory Protection:	Not needed. Use the product in a well-ventilated area.
Hands Protection:	Not required if used as directed.
Eyes Protection:	Not required if used as directed.
Skin Protection:	Handle in accordance with good personal hygiene and safety practices.
Other Protective Equipments:	It would be better use a lab coat.
<i>Measures listed in this paragraph are to be consider as indications and NOT as prescriptions (89/656/EEC)</i>	
8.2.2 Environment exposure control measures Not Applicable.	

<b>SECTION 9</b> <b>Physical and Chemical Properties</b>	
9.1 General information	
<u>Appearance</u> : Clear to amber liquid	<u>Odour</u> : Mint odor
9.2 Information related to health, safety and environment	
<u>pH</u> : 11,00 – 12,49	<u>Relative density</u> : Not available
<u>Boiling point</u> : 88°C (191°F)	<u>Specific gravity</u> : 0,972 g/ml
<u>Flash point</u> : 28,3°C (83°F)	<u>Solubility</u> : 100% in water
<u>Flammability</u> : Not flammable if stored as directed.	<u>Partition coefficient n-octanol/water</u> : N/D
<u>Lower Explosivity Limit (L.E.L.)</u> : N/A	<u>Viscosity</u> : Similar to water
<u>Upper Explosivity Limit (U.E.L.)</u> : N/A	<u>Vapour density (air = 1)</u> : Similar to water
<u>Oxidizing properties</u> : None	<u>Evaporation rate (n-butane = 1)</u> : Not available
<u>Vapour pressure</u> : Similar to water	<u>Melting point</u> : N/A
9.3 Other information (according to communitarian directive 94/9/EC):	
<u>Miscibility</u> : Miscible with water.	<u>Conducibility</u> : Similar to water
<u>Solubility in Lipids</u> : Not available	<u>Gases Group</u> : N/A

**SECTION 10****Stability and Reactivity**

Stability: Stable solution

10.1 Conditions to avoid: Avoid temperature above 120°F (49°C) and evaporation of water

10.2 Materials to avoid (incompatibility): Avoid contact with acids.

10.3 Hazardous decomposition products: Oxides of Carbon.

Other precautions:

Hazardous Polymerization Products: Will not occur

Safety significance in case of change in physical appearance: None known

Stabilizers: No stabilizers are present in this product

**SECTION 11****Toxicological Information**CMR effects (Carcinogenicity, Mutagenicity and toxicity for reproduction):

The product contains Methyl Salicylate, which has shown evidence of teratogenicity in animals. See also Section 16.

Effects and hazards of eye contact: May cause reversible damage.

Effects and hazards of skin contact: Not considered an irritant.

Effects and hazards of Inhalation (Breathing): May cause low or mild irritation.

Effects and hazards of Ingestion (Swallowing): May be harmful if swallowed in large amounts.

Effects for prolonged Exposure: Unknown.

Toxic-kinetic effects: Unknown.

Effects on metabolism: Unknown.

Toxicological data for ingredients:

<b>Isopropyl alcohol</b>	LD <sub>50</sub> (oral rat):	4570 mg/Kg
	LD <sub>50</sub> (skin rabbit):	13400 mg/Kg
	LC <sub>50</sub> (inhalation rat/4 hours):	30 mg/l
<b>2- butoxyethanol</b>	LD <sub>50</sub> (oral rat):	530 mg/Kg
	LD <sub>50</sub> (skin rabbit):	400 mg/Kg
	LC <sub>50</sub> (inhalation rat/4 hours):	2,2 mg/l

**SECTION 12****Ecological Information**

This product has not known ecological hazardous effects.

12.1 Eco-toxicity: Not available

12.2 Mobility: Not available

12.3 Persistence and degradability: Not available

12.4 Bioaccumulative potential: Not available

12.5 Results of PBT (Persistent Bio-Toxicity) assessment: Not available

12.6 Other adverse effects: Not available

Aquatic toxicity data for ingredients:

<b>Isopropyl alcohol</b>	LC <sub>50</sub> (fishes, 48 hours):	8970 mg/l
<b>2- butoxyethanol</b>	LC <sub>50</sub> (fishes, 48 hours):	1575 mg/l

**SECTION 13****Disposal considerations**

Dispose of in accordance of local regulations.

**SECTION 14****Transport information**14.1 Sea transportation (IMDG)

UN number: 1987      Class: 3      Packing group: III      EMS-No: F-E, S-D  
Stowage/segregation: Category A;      Limited Quantity: 5lt  
Proper shipping name: Alcohols, n.o.s.

14.2 Air transportation (ICAO/IATA)

UN number: 1987      Class: 3      Packing group: III      Label: 3 (Flammable liquid)  
Maximum Quantity: 60 Lt (Passenger Aircraft);      220 Lt (Cargo Aircraft only)  
Limited Quantity: 10lt      Proper shipping name: Alcohols, n.o.s.

14.3 Transportation by Road/Railway (RID/ADR)

UN number: 1987      Class: 3      Packing group: III      Label: 3 (Flammable liquid)  
Proper shipping name: Alcohols, n.o.s.  
Limited Quantity: LQ7 (5lt/30Kg for combined, 5lt/20Kg for bandaged trays).

**SECTION 15** (Classification according to communitarian directives 67/548/EEC & 99/45/EC)**Regulatory information**Risk phrases

36 Irritating to eyes.

Safety phrases

2 Keep out of the reach of children.

7 Keep container tightly closed

25 Avoid contact with eyes

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



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**SECTION 16****Other information**16.1 Risk phrases of all ingredients

11 Highly flammable.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

35 Causes severe burns.

36/37/38 Irritating to eyes, respiratory system and skin.

67 Vapours may cause drowsiness and dizziness.

16.2 Sources of key data used to compile the Safety Data Sheet:

European Chemicals Bureau (ECB – [www.ecb.jrc.it](http://www.ecb.jrc.it))

European chemical Substances Information System (ESIS - [www.ecb.jrc.it/esis](http://www.ecb.jrc.it/esis))

A.C.G.I.H. ([www.acgih.org](http://www.acgih.org))

N.I.O.S.H. ([www.cdc.gov/niosh/](http://www.cdc.gov/niosh/))

O.S.H.A. ([www.osha.gov/](http://www.osha.gov/))

U.E. ([www.europa.eu/index\\_it.htm](http://www.europa.eu/index_it.htm))

I.A.R.C. ([www.iarc.fr/](http://www.iarc.fr/))

N.T.P. ([www.ntp.niehs.nih.gov](http://www.ntp.niehs.nih.gov))

Evidence of methyl Salicylate teratogenicity in animals:

-Dangerous Properties of Industrial Materials, Ed. Sax & Lewis, 7<sup>th</sup> Ed.

-Dushyant Gulati et al., Environmental Health Perspectives Supplements Volume 105, Number S1, February 1997.

-George P. Daston et al., Functional Teratogens of the Rat Kidney, Toxicological Sciences, Volume 11, Number 1 - Pp. 381-400, 1988.

European Community Directives:

67/548/EEC:	Classification, packaging and labelling of dangerous substances.
99/45/EC:	Directive concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
2001/58/EC:	Second amendment of directive 91/155/EEC for the definition of a detailed arrangement of specific information relating to dangerous preparations (art. 14 of 99/45/EC) and substances (art. 27 of 67/548/EEC).
89/656/EEC:	Directive on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace (third individual directive within the meaning of Article 16 (1) of Directive 89/391/EEC).
89/686/EEC:	Approximation of the laws of the Member States relating to personal protective equipment.
94/9/EC:	Approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres
98/24/EC:	Protection of the health and safety of workers from the risks related to chemical agents at work.

Document modification history: First version in compliance of Community Regulation 2006/1907/EC (R.E.A.Ch.)

**CAUTION: PRODUCT FOR PROFESSIONAL USE**

**The information on this Safety Sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this Sheet or the use of this product together with any other process/procedure will be exclusively under the user's responsibility. This document does not constitute explicit or implicit warranty of product quality or fitness for a particular purpose.**