

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers: **Desident CaviCide**

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Disinfectant and cleaner for medical devices.

1.3 Details of the supplier of the safety data sheet:

Business Name: **SpofaDental a.s.**
Company Headquarters: **Markova 238, 506 46 Jičín, The Czech Republic**
Company Identification Nr.: **63999447**
Telephone: +420 - 493 583 111
Fax: +420 - 493 583 333
E-mail: info@spofadental.com

1.4 Emergency Telephone Number: +420 - 224 919 293
(National Toxicological Centre, Na bojišti 1, 120 00 Praha 2, CR)

2. INFORMATION REGARDING THE DANGERS OF THE SUBSTANCE OR PRODUCT

2.1 Classification of the substance or mixture (accord. to CLP):

Flam. Liq. 3 H226 - Flammable liquid and vapour.
Skin Irrit. 2 H315 - Causes skin irritation.
Eye Irrit. 2 H319 - Causes serious eye irritation.

2.2 Label elements:

Hazard pictograms:



Signal word:

WARNING

Hazard statements:

Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation.

Safety phrases: P210,262,270

Keep away from heat/sparks/open flames/hot surfaces - No smoking. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product.

2.3 Other hazards: Not known.

SAFETY DATA SHEET
(as per 1907/2006/ES)

SpofaDental
A Kerr Company

Desident CaviCide

Date of Issue: 15/4/2014

Page 2 of 6

3. INFORMATION REGARDING THE COMPOSITION OF THE SUBSTANCE OR PRODUCT

The product contains the following dangerous substance:

Chemical name	Contents (%)	INECS	CAS	DSD-classific.	CLP-classific.
Isopropyl alcohol	15-18	200-661-7	67-63-0	F R11 Xi R36 R67	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
Sodium Hydroxide	<0,03	215-185-5	1310-73-2	C R: 35	Skin Corr. 1A H314 Met. Corr. 1 H290
2- butoxyethanol	1 - 5	206-905-0	111-76-2	Xn R20/21/22 ,Xi R36/38	Acute Tox. 4 H302, H312, H332 Eye Irrit. 2 H319 Skin Irrit. 2 K315
Benzethonium chloride	<0,3	204-479-9	121-54-0	Xn R22-34 N R50/53	Acute Tox.; 3; H301 Skin Corr.; 1B; H314 Aquatic Acute; 1; H400 Aquatic Chronic; 1; H410

For R-phrases and H-phrases, see sect. 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

Upon inhaling: Provide a sufficient supply of fresh air. Start intensive ventilation or disabilities bring to fresh air. With apparent health problems, seek medical assistance.
Upon contact with skin: Wash with water and soap, use regenerating ointment afterwards.
Upon contact with eyes: Wash out with plenty of lukewarm water for 15 minutes. Seek medical assistance if irritation persists.
Upon ingestion: Wash the mouth out thoroughly. Do not induce vomiting. Seek medical assistance.

5. MEASURES FOR FIRE EXTINCTION

5.1 Extinguishing: powder, foam, CO₂
Unsuitable extinguishing agents: no
5.2 Special danger arising from the substance or mixture: -
5.3 Instructions for fire workers: closed protective garment

6. MEASURES TO BE TAKEN IN CASE OF RANDOM LEAK

6.1 Regulations for the protection of persons:
 Provide a sufficient supply of fresh air, avoid direct contact with the product.
 Use rubber gloves and, depending on the extent of leak, also a rubber apron.
 Remove sources of ignition

SAFETY DATA SHEET
(as per 1907/2006/ES)



Desident CaviCide

Date of Issue: 15/4/2014

Page 3 of 6

6.2 Regulations for the protection of the environment:

Avoid leakage to the aquatic system, soil or vegetation.

6.3 Recommended cleaning and disposal methods:

The liquid must be thoroughly removed using an absorbent.

6.4 Reference to other sections: -

7. INSTRUCTIONS FOR HANDLING AND STORAGE

7.1 Precautions for safe handling:

The product must be stored in a tightly-sealed container in a well-ventilated place, avoid exposure to excessive heat. No smoke, no eat. When handling, suitable protective garments and gloves must be used; direct contact with the skin must be avoided. Personal sanitary measures must be adopted. After work, the hands must be thoroughly washed in lukewarm water and soap.

7.2 Conditions for safe storage of substances and mixtures, including any incompatibilities:

To be stored on cold place in a well sealed container. Avoid contact with acids. Avoid leakage to sewerage or water flow.

7.3 Specific end uses: The product is intended for professional use.

8. EXPOSURE CHECK AND PROTECTION OF PERSONS

8.1 Control parameters: No information is available for the product.

Isopropyl alcohol:

Permissible exposure limit PEL (mg/m ³):	500
Maximum permissible concentration NPK-P (mg/m ³):	1000

Note: The substance has penetration effect in skin.

8.2 Exposure limitation: The product must be handled in a well-ventilated area.

<i>Air passage protection:</i>	-
<i>Eye protection:</i>	Goggles or shield
<i>Hand protection:</i>	Rubber gloves
<i>Skin protection:</i>	Working garment

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance	
<i>State (at 20°C):</i>	clear liquid
<i>Colour:</i>	lightly amber
<i>Odor:</i>	mint odor
<i>pH:</i>	11-12.5
<i>Boiling point:</i>	88°C

SAFETY DATA SHEET
(as per 1907/2006/ES)



Desident CaviCide

Date of Issue: 15/4/2014

Page 4 of 6

Flash point:	31°C
Pyrophoricity:	Not self-igniting
Oxidizing properties:	None
Explosivity limits:	N/A
Vapour pressure:	Similar to water
Specific gravity (at 20°C):	0.972 g/ml
Solubility (at 20°C):	100 % in water
9.2 Other informations:	-

10. STABILITY AND REACTIVE POWER

10.1 *Reactive power:* Reacts with oxidizing agents and acids.

10.2 *Chemical stability:* Stable under normal conditions.

10.3 *Conditions that should be avoided:*
Avoid temperature above 120°F (49°C) and evaporation of water.

10.4 *Incompatible materials:* Avoid contact with acids.

10.5 *Dangerous decomposition products:* CO - during a fire

11. TOXICOLOGICAL INFORMATION

CMR effects (Carcinogenicity, Mutagenicity and toxicity for reproduction): Unknown.

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:

Isopropyl alcohol	LD ₅₀ (oral rat):	4 570 mg/kg
	LD ₅₀ (skin rabbit):	13 400 mg/kg
	LC ₅₀ (inhalation rat/4 hours):	30 mg/l
2- butoxyethanol	LD ₅₀ (oral rat):	530 mg/kg
	LD ₅₀ (skin rabbit):	400 mg/kg
	LC ₅₀ (inhalation rat/4 hours):	2.2 mg/l

SAFETY DATA SHEET
(as per 1907/2006/ES)

SpofaDental
A Kerr Company

Desident CaviCide

Date of Issue: 15/4/2014

Page 5 of 6

Benzethonium chloride	LD ₅₀ (oral rat):	295 mg/kg
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12. ENVIRONMENTAL INFORMATION

Aquatic toxicity data for ingredients:

Isopropyl alcohol	LC ₅₀ (fishes, 48 hours):	8 970 mg/l
2- butoxyethanol	LC ₅₀ (fishes, 48 hours):	1 575 mg/l
Benzethonium chloride	LC ₅₀ (fishes, 96 hours):	1.15 mg/l

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Unusable waste and contaminated packages must be burnt in an incineration plant or handled by a company authorised for dangerous waste disposal.

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: 5 lt

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: 10 lt 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 (5 lt / 30 kg for combined, 5 lt / 20 kg for bandaged trays).

15. INFORMATION CONCERNING LEGAL REGULATIONS

15.1 Regulations applicable to safety, health and environment / specific regulations regarding the substance or mixture:

European Parliament and Council Directive (ES) 1907/2006

Act No. 350/2012 Coll. (applicable in the Czech Republic)

Act No. 201/2012 Coll., On air protection

Act No. 258/2000 Coll., On protection of public health, as amended

15.2 Chemical Safety Assessment: No information available.

16. OTHER INFORMATION

R-phrases used:

- R11 - Highly flammable
- R34 - Causes burns
- R35 - Causes severe burns
- R36 - Irritating to eyes
- R67 - Vapours may cause drowsiness and dizziness
- R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
- R36/38 - Irritating to eyes and skin
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

H-phrases used:

- H290 - May be corrosive to metals
- 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
- H336 - May cause drowsiness or dizziness
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects

Updates in the safety data sheet: Changes according to CLP in section 2.

The above information applies to customer packages unless stated otherwise, and fully expresses our current knowledge and experience. The product is assumed for use at worksites corresponding to its designation, and the instructions on the enclosed instruction sheet as well as the standard labour safety regulations for the handling of chemical products are assumed to be adhered to.