

## 1 EC safety data sheet in accordance with Directive 2001/58/EC



Version date: 11/10/06

## 1. MATERIAL, PREPARATION AND COMPANY ID

1.1. Name of the material or preparation
<b>KaVo Dental-X-Tabs</b>
Versions:
▪ xxx

1.2. Use of the material or preparation
Special tablets for cleaning and decalcification of the KaVo STERlclave B.
<b>See also</b> : KaVo product care instructions

1.3. Company name
Kaltenbach & Voigt GmbH Bismarckring 39 D-88400 Biberach Tel.: + 49 7351 56-0 Fax: + 49 7351 56-1488 Source of information: Person in charge of safety for medical devices

1.4. Emergency number
Fire department - national emergency number, Germany: 112

## 2. COMPOSITION/INFORMATION ON COMPONENTS

- Mixture of substances listed below with nonhazardous additions.

Components requiring component	CAS No.	EINECS No.	Mass fraction	Symbol	R phrases
Citric acid anhydrate	77-92-9	-	> 50%	Xi	36
Sodium-cumolsulfonate	28348-53-0	-	5 to 15 %	Xi	36/38
Trisodiumnitrilotriacetate	5064-31-3	-	< 2 %	Xn	22, 36
Oleoylmethyltaurine-sodium-salt	137-20-2	-	< 2 %	Xi	41

## 3. POSSIBLE HAZARDS

Hazard marking:

- Xi irritant
- Preparation is classified as dangerous according to the definition of Directive 1999/45 EC.

Additional hazard instructions for people and the environment:

- Irritating to eyes (R36)

#### 4. FIRST AID

After inhalation	▶ Move affected person into fresh air und keep still and warm.
	▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand.
After skin contact	▶ Wash immediately with soap and water and rinse thoroughly.
	▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand.
After eye contact	▶ Keep eyes open and rinse them for several minutes with running water.
	▶ Remove any contact lenses.
	▶ Consult a doctor and keep the safety data sheet/label to hand.
After swallowing	▶ Rinse mouth with fresh water.
	▶ Drink plenty of water immediately.
	▶ Do not induce vomiting.
	▶ Consult a doctor and keep the safety data sheet/label to hand.

#### 5. FIREFIGHTING MEASURES

Suitable extinguishing agent	<ul style="list-style-type: none"> <li>▪ Water</li> <li>▪ Dry powder</li> <li>▪ Foam</li> <li>▪ Carbon dioxide (CO<sub>2</sub>)</li> </ul>
Unsuitable extinguishing agent	none known
Special hazards	none known
Special protective equipment	not necessary



#### Note

Container must be removed from the area threatened by fire if this is possible without endangerment. Otherwise cool with water. Do not inhale vapours and smoke fumes. Ensure a fresh air supply.

#### 6. MEASURES FOR UNINTENTIONAL RELEASE

Personal precautionary measures	▶ Wear protective clothing.
Environmental measures	▶ Pick up dry.
Cleaning procedure	▶ Treat recovered material as prescribed in item 13.

## 7. HANDLING AND STORAGE

<b>7.1. Handling</b>	
▶ Prevent eye and skin contact.	

<b>7.2. Storage</b>	
▶ Keep tightly closed and store only in original container.	
▶ Store only in original container at temperatures not exceeding 60 °C.	
▶ Protect from humidity.	
LGK 11	

<b>7.3 Intended use</b>	
▶ Use only for intended purpose.	
<b>See also :</b> User instructions, KaVo care instructions	

## 8. RESTRICT EXPOSURE AND WERE PERSONAL PROTECTIVE GEAR

<b>8.1. Exposure threshold</b>	
Workplace threshold:	The product does not contain any substances with workplace thresholds (according to TRGS 900).

<b>8.2. Limiting and monitoring exposure</b>	
8.2.1. Limiting and monitoring exposure at the workplace	<ul style="list-style-type: none"> <li>▶ Do not eat, drink or smoke at the workplace.</li> <li>▶ Wash hands before breaks and at the end of the working day.</li> <li>▶ Use protective skin cream.</li> <li>▶ Do not store with food, drinks or animal feed.</li> <li>▶ Avoid contact with eyes, skin and clothing.</li> <li>▶ Avoid inhalation of aerosols and vapours.</li> </ul>
8.2.1.1. Respiratory protection	Not necessary if used properly.
8.2.1.2. Gloves	▶ Wear natural rubber- or PVC-gloves.
8.2.1.3. Safety goggles	▶ Wear tightly sealed goggles.
8.2.1.4. Personal protective equipment	Not necessary if used properly.
8.2.2. Limiting and monitoring environmental exposure	Not necessary if used properly.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1. General information</b>	
Appearance	Form: tablet, round Colour: white
Odour	characteristic

<b>9.2. Important information on health, environmental protection and safety</b>	
pH	10 - 11
Boiling point	not relevant
Flashpoint	> 55°C

9.2. Important information on health, environmental protection and safety	
Ignition temperature	not applicable
Explosion thresholds	none
Flammable properties	none
Vapour pressure	not necessary
Relative density	none
Solubility	in water: soluble in ethanol: soluble in hexan: not soluble
Distribution coefficient	not determined
Viscosity	not determined
Electrical conductivity (7g/l H <sub>2</sub> O)	5000 bis 5500 µS/cm (20°)
Refractive index n <sub>D</sub> (7g/l H <sub>2</sub> O)	1,33733 bis 1,33880
Optical rotation α <sub>D</sub>	not necessary

9.3. Other information
none known

## 10. STABILITY AND REACTIVITY

10.1. Conditions to be avoided
no data known

10.2. Substances to be avoided
no data known

10.3. Hazardous decomposition products
None when used properly.

## 11. TOXICOLOGICAL INFORMATION

Inhalation	-
Swallowing	-
Skin contact	-
Eye contact	Irritating to eyes.



### Note

Based on manufacturer data of the main components the acute toxicity, the skin irritation, the mucous membrane irritation and the mutagenic potential of the preparation were evaluated. However, some data are not complete regarding particular main components. Nevertheless according to the experience of the manufacturer there are no other hazards expected than those which are already mentioned on the label.

## 12. ECOLOGICAL INFORMATION

### 12.1. Ecotoxicity

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

### 12.2. Mobility

No data known

### 12.3. Persistence and biodegradability

Ingredients are biodegradable.

### 12.4. Bioaccumulation potential

No data known

### 12.5. Other harmful effects

▶ Do not allow to enter the sewerage system, surface water or surface waterways.

## 13. DISPOSAL INSTRUCTIONS



### Note

Observe local and national regulations.

Waste code according to the European waste catalog (national: Ordinance on the list of wastes AVV):

Product	not specified
Packing	not specified



### Note

Treat contaminated packaging as the substance itself.

## 14. INFORMATION ON TRANSPORTING



### Note

Not a hazardous substance as defined by ordinances and international law.

## 15. REGULATIONS

### 15.1. EU regulations

Hazard symbol / hazard ID	Xi - Irritant
R phrases	<ul style="list-style-type: none"> <li>▪ R36 – Irritates eyes.</li> </ul>
S phrases	<ul style="list-style-type: none"> <li>▪ S26 - In case of contact with the eyes, immediately rinse thoroughly with water and consult a physician.</li> <li>▪ S39 – Wear safety glasses/facial mask.</li> </ul>
Special ID	-

15.2. National regulations	
TRGS 905	CAS-No.:
Malfunction V	-
Water pollution class	WGK 2 (water hazardous); self-classification
Information on Directive 1999/13/EG on the restriction of emissions of volatile organic compounds (VOC Directive)	-
Restriction an prohibitions	-
Workplace identifications according BGV A8	-
Restrictions of occupation	Juvenile in relation to § 22 JArbSchG

## 16. OTHER INFORMATION

R phrases	<ul style="list-style-type: none"> <li>▪ R22 – Hazardous to health upon swallowing.</li> <li>▪ R36 – Irritates eyes.</li> <li>▪ R36/38 – Irritates eyes and skin.</li> <li>▪ R41 – Hazard of serious eye damage.</li> </ul>
Training instructions	-
Additional information	-
Sources	-
Revision of the safety data sheet	No changes to date.



### Note

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### Note

Only for use in conjunction with the corresponding KaVo products according the instructions for use. Not to be used in homes or for other purposes. In case of contact or mixture with other products, check if other hazards may arise. The presented information does not free the user of the product from observing all guidelines regarding safety, hygiene, health and environmental protection.