

## 1 EC Safety Data Sheet in accordance with Directive 2001/58/EC



KaVo. Dental Excellence.

Version date: 06/06/08

## 1. MATERIAL, PREPARATION AND PROPRIETARY NAME

<b>1.1. Name of the material or preparation</b>
KaVo LIFEtime Clean 2N
Versions:
<ul style="list-style-type: none"> <li>▪ 6 litres of degreasing agent (<b>Mat. no. 0.489.3025</b>)</li> <li>▪ 30-litre decanter (<b>Mat. no. 0.489.3026</b>)</li> </ul>
<b>1.2. Use of the material or preparation</b>
Post-cleaning agent for the KaVo LIFEtime cleaning, care and disinfection systems.
<b>See also:</b> KaVo product care instructions
<b>1.3. Company name</b>
Kaltenbach & Voigt GmbH Bismarckring 39 D-88400 Biberach Tel.: + 49 7351 56-0 Fax: + 49 7351 56-1488 Contact for information: Safety supervisor for medical devices
<b>1.4. Emergency number</b>
Fire department - national emergency number, Germany: 112
Hazard information Mainz, Tel.: +49 6131 19240

## 2. COMPOSITION/INFORMATION RELATING TO COMPONENTS

Chemical characterization:

- Mixture of the materials listed below with unclassified (nonhazardous) additives.

Identification-requiring Component	CAS No.	EINECS No.	Mass fraction	Symbol	R phrases
Fatty alcohol ethoxylate	61827-42-7		10 < 20 %	Xn, Xi	R22-41
Cocoa fat aminoxethylate	61791-14-8		3 - 7 %	Xn, Xi, N	R22-36-51/53

## 3. POSSIBLE RISKS

Risk phrase:

- Xi Caustic
- Preparation is rated hazardous according to Directive 1999/45/EC.

Additional hazard instructions for people and the environment:

- R 41 Danger of serious eye damage
- R 52/53 Hazardous to marine organisms; can have long-term hazardous effects in waterways.

Classification system:

- The classification corresponds to current EC lists and is supplemented by information from the professional literature and company information.

#### 4. FIRST AID MEASURES

General instructions	▶ Remove soiled, soaked clothing immediately.
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.
	▶ Remove any clothing that has been splashed.
	▶ Apply skin care cream.
After eye contact	▶ Keep eyes open and rinse them for several minutes with running water.
	▶ Consult a doctor and keep the safety data sheet/label to hand.
After swallowing	▶ Rinse mouth with fresh water and spit it out.
	▶ Drink plenty of water immediately.
	▶ Do not induce vomiting.
	▶ Consult a doctor and keep the safety data sheet/label to hand.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents	<ul style="list-style-type: none"> <li>▪ Foam (alcohol resistant)</li> <li>▪ Carbon dioxide (CO<sub>2</sub>)</li> <li>▪ Dry powder</li> <li>▪ Water jet</li> </ul> ▶ Fight large-scale fires with water jets or alcohol-resistant foam.
Special hazards	Hazard from the following substances, their combustion products or arising gases: NO <sub>x</sub> , NH <sub>3</sub> , CO, CO <sub>2</sub> .
Special safety equipment	▶ Wear ambient air-independent breathing equipment with eye protection and protective clothing.

#### 6. MEASURES IN THE EVENT OF UNINTENTIONAL RELEASE

Personal precautionary measures	▶ Ensure sufficient ventilation.
	▶ Specific slipping hazard due to drained or spilled product; avoid stepping in liquid.
	▶ Use respiratory protection in the event of exposure to vapours/dust/aerosols.
	▶ Wear protective clothing.
	▶ Keep unprotected persons away.

Environmental measures	▶ Do not allow to enter the sewerage system, waterways, substrate or soil.
	▶ Inform the relevant authorities when penetrates in soil, waterways or sewerage system.
Cleaning procedure	▶ Absorb leaked product using hygroscopic material (sand, silica earth, universal binder, sawdust, wipes), as described in item 13.
	▶ Identify and dispose of leaky containers, as described in item 13.
	▶ Carefully clean the accident site; hot water is appropriate.

## 7. HANDLING AND STORAGE

<b>7.1. Handling</b>
No special measures are necessary when handled properly. The product is not flammable.

<b>7.2 Storage</b>
▶ Store in a floor basin without drain.
▶ Store separate from foods, beverages or feed.
▶ Do not store below -12 °C – less sensitive to frost.
Storage class: 10 - 13 (VCI storage class concept)

## 8. EXPOSURE LIMITS AND PERSONAL PROTECTIVE EQUIPMENT

<b>8.1. Exposure limits</b>
The product does not contain any relevant quantities of substances with workplace-related limits that have to be monitored.



**Note**  
The lists valid at the time of preparation serve as the basis.

<b>8.2. Limiting and monitoring exposure</b>	
8.2.1. Limiting and monitoring exposure at the workplace	▶ Do not store with food, drinks or animal feed.
	▶ Remove soiled, soaked clothing immediately.
	▶ Wash hands before breaks and at the end of the working day.
	▶ Use protective skin cream for preventative skin protection.
	▶ Do not inhale gases/vapours/aerosols.
	▶ Avoid contact with the eyes and skin.
8.2.1.1. Respiratory protection	Not necessary if the room ventilation is sufficient.
8.2.1.2. Gloves	▶ Wear protective gloves made of nitrile rubber/nitrile latex NBR (DIN EN 374) to avoid direct skin contact.
8.2.1.3. Safety goggles	▶ Wear safety glasses with closable side flaps (DIN EN 166).

8.2. Limiting and monitoring exposure	
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.

## PHYSICAL AND CHEMICAL PROPERTIES

9.1. General details	
Appearance	Form: liquid Colour: light yellow
Odour	Product specific

9.2. Important details on health and environmental protection as well as safety	
pH-value	Not ascertained
Boiling point	> 100 °C
Flash point	Not applicable
Flammability	The product is not self-igniting.
Risk of explosion	The product is not explosive.
Fire causing properties	Not ascertained
Vapour pressure	23 mbar at 20°C
Relative density	1.01g/cm <sup>3</sup> at 20°C pursuant to DIN 51757
Solubility	in water: fully mixable
Distribution coefficient	Not ascertained
Viscosity	Low-viscosity

## 10. STABILITY AND REACTIVITY

10.1. Conditions to be avoided
Does not decompose when stored and handled correctly.

10.2. Substances to be avoided
No data known.

10.3. Hazardous products of decomposition:
None, provided used correctly.

10.4. Special comments
Hazardous reactions: No known hazardous reactions:

## 11. TOXICOLOGY DATA

Inhalation	none known
Swallowing	Classification-relevant LD/LC50 values: <ul style="list-style-type: none"> <li>▪ Component: fatty alcohol ethoxylate</li> <li>▪ Type: oral</li> <li>▪ Reading: 1,140mg/kg</li> <li>▪ Species: rat</li> </ul>
Skin contact	Non-irritant.

Eye contact	Strong irritation with the danger of serious eye damage.
Sensitisation	No known sensitising effect

**Note**

As a result of the analysis of the general EC classification guidelines governing preparations in the last version, the product demonstrates the following hazards: irritant.

**12. ECOLOGICAL DATA****12.1 Ecotoxicity**

No data known.

**12.2. Mobility**

No data known.

**12.3. Persistence and degradability**

In accordance with the requirements of the decree governing the German Washing and Cleansing Agents Act (WRMG), the surfactants contained in the product are on average at least 90% biodegradable.

**12.4. Bioaccumulation potential**

No data known.

**12.5. Other harmful effects**

Note regarding AOX: The product is free of halogen organic compounds.

Water pollution class 2 (self rating): Hazardous to drinking water when small amounts drain into the ground.

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

**13. DISPOSAL INFORMATION****Note**

Comply with local and national regulations.

Product must undergo special treatment, in compliance with the official regulations.

**Note**

The cited waste keys are recommendations based on the proper use of this product. However, special uses and disposal situations experienced by the user may require a different waste key.

**Note**

All bottles and canisters must be completely drained when disposed.

Recycle empty plastic bottles and packaging cardboard. Recommended cleaning agent: Water possible with added cleansers or neutralising agents.

Waste code according to the European waste catalogue:

Product	12 03 01, aqueous washing liquids
Uncleaned packaging	Dispose according to official regulations.

## 14. TRANSPORT INFORMATION



### Note

Not a hazardous substance as defined by the laws and international regulations.

Maritime traffic (IMDG)	-
Road and rail traffic (ADR/RID)	-
Air traffic (ICAO/IATA)	-

## 15. REGULATIONS

The product is classified and identified according to the EC Directives and the GefStoffV (Hazardous Substance Ordinance).

15.1 EU regulations	
Hazard symbol/ hazard ID	Xi Caustic
R phrases	<ul style="list-style-type: none"> <li>▪ R41 – Risk of serious damage to the eyes.</li> <li>▪ R52/53 – Damaging for organisms which live in water; in waterways, can have harmful effect for longer periods.</li> </ul>
S phrases	<ul style="list-style-type: none"> <li>▪ S26 – In the event of contact with the eyes, rinse thoroughly and immediately with water and consult a doctor.</li> <li>▪ S28 – In the event of contact with the skin, wash immediately with soap and water.</li> <li>▪ S37/39 – At work, wear suitable safety gloves and protection goggles/safety mask.</li> <li>▪ S61 – Do not release into the environment. Gather specific information/consult the safety data sheet.</li> </ul>

15.2 National regulations	
Water pollution class	WGK 2: water polluting VwVwS (Germany) of 17-05-1999, Annex 4 (Rating of the water pollution class of mixtures)
Professional association information	Professional association fact sheet: <ul style="list-style-type: none"> <li>▪ M 004 Irritating and caustic materials</li> <li>▪ M 053 General occupational safety measures for handling hazardous materials.</li> </ul>

## 16. OTHER INFORMATION

R phrases	<ul style="list-style-type: none"><li>▪ R22 - Health hazard when swallowed.</li><li>▪ R36 - Aggravates eyes.</li><li>▪ R41 - Risk of serious damage to the eyes.</li><li>▪ R 51/53 - Poisonous for organisms that live in water; in waterways, can have harmful effect for longer periods.</li></ul>
Revision of the safety data sheet	<ul style="list-style-type: none"><li>▪ Revision of 30-08-2007 according to the safety data sheet as per 1907/2006/EC, Article 31 by the manufacturer SurTec Deutschland GmbH.</li></ul>



### Note

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### Note

Only to be used in conjunction with the relevant KaVo products in accordance with the instructions for use. Not intended for use in a domestic household or for other applications.

In the event of contact or mixing with other products, a check must be carried out whether further hazards could arise. The information given does not free the product user from taking all regulations in respect of safety, hygiene, health and environmental protection into consideration.