

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



Version date: 5/16/06

1. MATERIAL, PREPARATION AND COMPANY ID

1.1. Name of the material or preparation
KaVo PROPHYflex 2 – 2012 – Orange-tasting cleaning powder
Versions: <ul style="list-style-type: none"> ▪ Bag, 12 g (Mat. No. 0.489.0012) ▪ Refill packaging with 100 bags, each 12 g (Mat. No. 0.489.0001)
1.2. Use of the material or preparation
Orange-tasting cleaning powder to refill the KaVo PROPHYflex 2 handpiece 2012 and KaVo PROPHYflex 3 handpiece 2018 for tooth cleaning.
See also : 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

Chemical characterization:
 Sodium bicarbonate (CHNaO_3), CSA No.: 144-55-8, EC No.: 205-6338

3. POSSIBLE HAZARDS

Risk phrase:
 ▪ Preparation is not rated hazardous according to Directive 1999/45/EC.

Hazard instructions for people and the environment:
 ▪ Reacts with acids and decomposes with increased pressure and the formation of CO_2 .
 ▪ Can irritate the skin and eyes.

4. FIRST AID

After inhalation	<ul style="list-style-type: none"> ▶ Supply fresh air. ▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand.
After skin contact	<ul style="list-style-type: none"> ▶ Immediately wash off with water.
After eye contact	<ul style="list-style-type: none"> ▶ Keep eyes open and rinse them for several minutes with running water.
After swallowing	<ul style="list-style-type: none"> ▶ Rinse mouth with fresh water. ▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand.

5. FIREFIGHTING MEASURES

Suitable extinguishing agents	<p>Product is non-flammable. The surroundings must be taken into account when any extinguishing agent used.</p> <ul style="list-style-type: none"> ▶ Do not let the extinguishing agent enter the sewage system/surface water.
Unsuitable extinguishing agents	<ul style="list-style-type: none"> ▶ Do not use full water jet.
Special hazards	none known
Special protective equipment	<ul style="list-style-type: none"> ▶ Wear respiratory protection independent of the environment. ▶ Wear full-protection clothing.

6. MEASURES FOR UNINTENTIONAL RELEASE

Personal precautionary measures	<ul style="list-style-type: none"> ▶ In case of large amounts: Wear respiratory protection, safety glasses, protective boots, protective gloves.
Environmental measures	<ul style="list-style-type: none"> ▶ The product must not enter the sewage system, waterways, subsoil and ground.
Cleaning procedure	<ul style="list-style-type: none"> ▶ Avoid the formation of dust. ▶ Use liquid-binding material (sand, universal binder, sawdust or paper towel) to absorb spilled product and dispose of according to point 13. ▶ Dispose of product according to point 13. ▶ Clean affected area.

7. HANDLING AND STORAGE

7.1. Handling	
▶ Do not leave the container open	
▶ Provide sufficient air exchange when dust is created.	
▶ Keep away from reactive materials (see point 10).	

7.2. Storage	
▶ Do not store with acids.	
▶ Store separate from drugs, foods or feed.	
▶ Seal tight, store cool and dry.	
▶ Preferably store in original containers.	

7.2. Storage	
▶ Observe official regulations.	
Storage class 10 – 13 (according to VCI)	

7.3. Specified use	
▶ Use only for intended purpose.	
See also : User instructions, KaVo care instructions	

8. RESTRICT EXPOSURE AND WEAR PERSONAL PROTECTIVE GEAR

8.1. Exposure threshold	
Workplace threshold:	The general dust restriction according to TRGS 900 applies.



Note
 The above limits are taken from TRGS 900 (EH40/2002 Occupational Exposure Limits) and may be checked using measurements which ensure compliance with health and safety requirements. Proper use will limit exposure and should prevent prescribed limits for the workplace from being reached.

8.2. Limiting and monitoring exposure	
8.2.1. Limiting and monitoring exposure at the workplace	<ul style="list-style-type: none"> ▶ Wash hands before breaks and at the end of the working day. ▶ Do not eat, drink or smoke at the workplace. ▶ Do not store with food, drinks or animal feed.
8.2.1.1. Respiratory protection	Not necessary if the room ventilation is sufficient. ▶ In case of exceptions: Use respiratory protection with particle filter P1 or P2; identifying colour: white (see also BGR 190).
8.2.1.2. Gloves	Not necessary if used properly. ▶ In case of direct skin contact, wear protective gloves made of natural rubber or latex, polychloroprene, nitrile rubber/latex, butyl rubber, fluorinated rubber or polyvinyl chloride.
8.2.1.3. Safety goggles	▶ In case of dust formation, wear safety glasses (KaVo Mat. No. 1.000.9006).
8.2.1.4. Personal protective equipment	▶ Wear apron or lab coat.
8.2.2. Limiting and monitoring environmental exposure	No data known

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information	
Appearance	Shape: Powdered Colour: white
Odour	Orange scent

9.2. Important information on health, environmental protection and safety	
pH	8.6 (concentration: at 50 g/l H ₂ O at 20 °C)
Boiling point	Not applicable
Flashpoint	Not applicable
Flammability	non-flammable
Explosion hazard	non-explosive
Melting point	270 °C (decomposition)
Fire-promoting properties	non-fire-promoting
Vapour pressure	Not applicable
Relative density	2.22 g/cm ³ at 20 °C
Bulk density	approx. 1000 kg/m ³
Solubility	in water: 95 g/l at 20 °C in ethanol: nearly insoluble
Distribution coefficient	Not applicable
Viscosity	not specified
Vapour density	Not applicable
Evaporation speed	Not applicable

9.3. Other information
Product is hygroscopic.

10. STABILITY AND REACTIVITY

10.1. Conditions to be avoided
► Avoid heating the product above the decomposition temperature.

10.2. Substances to be avoided
Potassium and sodium alloys, fluorine, acids

10.3. Hazardous decomposition products
Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Inhalation	Rating-relevant LC50/4 values: <ul style="list-style-type: none"> ▪ Type: inhalant ▪ Value: h>900 mg/l ▪ Species: Rats
Swallowing	Rating-relevant LD/LC50 values: <ul style="list-style-type: none"> ▪ Type: oral ▪ Value: 4220 mg/kg ▪ Species: Rats
Skin contact	slightly irritating (rabbits)
Eye contact	slightly irritating (rabbits)



Note

If properly handled and used, the product is not injurious to health according to our experience and the information in our possession.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity
No data known
12.2. Mobility
No data known
12.3. Persistence and biodegradability
No data known
12.4. Bioaccumulation potential
Not applicable
12.5. Other harmful effects
Water pollution class 1: slightly water polluting ▶ Do not allow to enter the sewerage system, surface water or surface waterways.

13. DISPOSAL INSTRUCTIONS



Note

Comply with local and national regulations.

Waste code number in accordance with the European waste catalogue (national: AVV waste registry-regulation):



Note

Bag must be completely empty before disposal.
Recycle empty plastic bags and packaging cardboard.

Product	18 01 07 Chemicals with the exception of those falling under 18 01 06 or 06 03 99 waste n.o.s.
Packaging cardboard	15 01 01 Paper and cardboard packaging
Empty bags	20 01 04 Other plastics

14. INFORMATION ON TRANSPORTING



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

15.1. EU regulations	
Not rated according to EC Directive.	

15.2. National regulations	
TRGS 905	CAS No.: not applicable
Malfunction V	not applicable
Water pollution class	WGK 1 (VwVws): slightly water polluting Material No. 374
Information on Directive 1999/13/EC on the restriction of emissions of volatile organic compounds (VOC Directive)	- VOC-CH: -
Restriction and prohibitions	-
Workplace identifications according to BGV A8	-
Storage class VCI	10 - 13
Swiss poison class	5

16. OTHER INFORMATION

R phrases	-
Training instructions	-
Revisions to the safety data sheet	<ul style="list-style-type: none"> ▪ 2006-05-16: Revision according to Directive 2001/58/EC.



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.