



Version date: 10/15/06

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

### 1. MATERIAL, PREPARATION AND COMPANY ID

<b>1.1. Name of the material or preparation</b>
<b>KaVo RONDOflex 2013 - 27 µm powder</b>
<ul style="list-style-type: none"> <li>▪ 75 g in PE container (<b>Mat. No. 1.000.5955</b>)</li> <li>▪ 1,000 g in PE container (<b>Mat. No. 1.000.5957</b>)</li> </ul>
<b>1.2. Use of the material or preparation</b>
Powder for the KaVo RONDOflex handpiece 2013.
<b>See also :</b> KaVo product instructions for use
<b>1.3. Company name</b>
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
<b>1.4. Emergency number</b>
Fire department - national emergency number, Germany: 112

### 2. COMPOSITION/INFORMATION ON COMPONENTS

White high-grade corundum with approx.:

- 99% aluminum oxide, Al<sub>2</sub>O<sub>3</sub>, CAS No. 1344-28-1
- 0.18% sodium oxide, Na<sub>2</sub>O, CAS No. 12401-86-4
- 0.2% silicone dioxide, SiO<sub>2</sub>, CAS No. 7631-86-9
- 0.01% iron oxide, Fe<sub>2</sub>O<sub>3</sub>, CAS No. 1309-37-1
- 0.006% calcium oxide, CaO, CAS No. 1305-78-8
- 0.01% titanium oxide, TiO<sub>2</sub>, CAS No. 13463-67-7

Components requiring Component	CAS No.	EINECS No.	Mass content	Symbol	R phrases
none	-	-	-	-	-

### 3. POSSIBLE HAZARDS

Risk phrase:

- Preparation is not rated hazardous according to Directive 1999/45/EC.

Hazard instructions for people and the environment:

- None when stored and used properly.

#### 4. FIRST AID

After inhalation	<ul style="list-style-type: none"> <li>▶ Supply fresh air.</li> <li>▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand.</li> </ul>
After skin contact	<ul style="list-style-type: none"> <li>▶ Remove any clothing that has been splashed.</li> <li>▶ Immediately wash off with water.</li> </ul>
After eye contact	<ul style="list-style-type: none"> <li>▶ Keep eyes open and rinse them for several minutes with running water.</li> <li>▶ Remove any contact lenses.</li> <li>▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand.</li> </ul>
After swallowing	<ul style="list-style-type: none"> <li>▶ Do not induce vomiting.</li> <li>▶ Rinse mouth with fresh water and spit it out.</li> <li>▶ Drink plenty of water immediately.</li> <li>▶ If discomfort persists, consult a doctor and keep the safety data sheet/label to hand.</li> </ul>

#### 5. FIREFIGHTING MEASURES

Suitable extinguishing agents	<p>The product itself is non-flammable. The surroundings must be taken into account when any extinguishing agent used.</p> <ul style="list-style-type: none"> <li>▶ Do not let the extinguishing agent enter the sewage system/surface water.</li> </ul>
Unsuitable extinguishing agents	none known
Special hazards	none known
Special protective equipment	none known

#### 6. MEASURES FOR UNINTENTIONAL RELEASE

Personal precautionary measures	Danger of slipping on spilled product.
Environmental measures	<ul style="list-style-type: none"> <li>▶ Dilute with a great deal of water.</li> </ul>
Cleaning procedure	<ul style="list-style-type: none"> <li>▶ Avoid the formation of dust.</li> <li>▶ Use liquid-binding material (sand, universal binder, sawdust or paper towel) to absorb spilled product and dispose of according to point 13.</li> </ul>

#### 7. HANDLING AND STORAGE

<b>7.1. Handling</b>	
▶	Avoid the production and collection of dust.
▶	Provide sufficient air exchange when dust is created.
▶	Observe water pollution regulations.

<b>7.2. Storage</b>
▶ Seal tight, store cool and dry.
▶ Store separate from drugs, foods or feed.

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

## 8. RESTRICT EXPOSURE AND WEAR PERSONAL PROTECTIVE GEAR

<b>8.1. Exposure threshold</b>	
Workplace threshold:	<ul style="list-style-type: none"> <li>▪ General dust threshold - Alveole-accessible fraction: 3 mg/m<sup>3</sup></li> <li>▪ General dust threshold - inhalable fraction: 10 mg/m<sup>3</sup></li> </ul>



<b>Note</b>
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.

<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>▶ Wash hands before breaks and at the end of the working day.</li> <li>▶ Do not eat, drink or smoke at the workplace.</li> <li>▶ Do not store with food, drinks or animal feed.</li> </ul>
8.2.1.1. Respiratory protection	<p>Not necessary if the room ventilation is sufficient.</p> <ul style="list-style-type: none"> <li>▶ In case of exceptions: Use respiratory protection with particle filter P1 or P2; identifying colour: white (see also BGR 190).</li> </ul>
8.2.1.2. Gloves	<p>Not necessary if used properly.</p> <ul style="list-style-type: none"> <li>▶ Wear protective gloves made of nitrile rubber/nitrile latex NBR (DIN EN 374) to avoid direct skin contact.</li> </ul>
8.2.1.3. Safety goggles	<p>Not necessary if used properly.</p> <ul style="list-style-type: none"> <li>▶ Wear safety glasses with closable side flaps (DIN EN 166).</li> </ul>
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: Powder Colour: white
Odour	odourless

9.2. Important information on health, environmental protection and safety	
pH	Not applicable
Melting temperature	2040 °C
Boiling temperature	2980 °C
Flashpoint	Not applicable
Flammability	Not applicable
Explosion hazard	not explosive
Fire-promoting Benefits	non-fire-promoting
Vapour pressure	Not applicable
Relative density	approx. 4.0 g/cm <sup>3</sup> at 20 °C after DIN 51757
Bulk weight	1.54 - 1.60 g/cm <sup>3</sup>
Particle size	27 µm
Solubility	in water: insoluble in alcohol: insoluble
Distribution coefficient	Not applicable
Viscosity	Not applicable
Vapour density	Not applicable
Evaporation speed	Not applicable

9.3. Other information
No data known

## 10. STABILITY AND REACTIVITY

10.1. Conditions to be avoided
No decomposition when used properly.

10.2. Substances to be avoided
none known

10.3. Hazardous decomposition products
none known

## 11. TOXICOLOGICAL INFORMATION

Inhalation	No data known
Swallowing	No data known
Skin contact	non-irritant
Eye contact	Hazard of mechanical irritation from dust particles.

## 12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity
No data known

12.2. Mobility
No data known

<b>12.3. Persistence and biodegradability</b>
No data known

<b>12.4. Bioaccumulation potential</b>
No data known

<b>12.5. Other harmful effects</b>
Water pollution class 1: slightly water polluting ▶ Substance is insoluble in water; remove by filtration or sedimentation.

### 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	12 02 01 Used blasting sand
Drained PE container	20 01 04 Other plastics



**Note**  
The PE container is easy to empty and can be recycled after being cleaned.  
Recommended cleaner: water, possibly with additional cleansers.

### 14. INFORMATION ON TRANSPORTING



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

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

### 15. REGULATIONS

<b>15.1. EU regulations</b>
Not rated according to EC Directive.

<b>15.2. National regulations</b>	
TRGS 905	CAS No.: not applicable
Malfunction V	Not applicable
Water pollution class	WGK 1 (VwVws): slightly water polluting
Restriction and Prohibition ordinances	-
Workplace identifications according to BGV A8	-

## 16. OTHER INFORMATION

R phrases	-
Training instructions	-
Revision of the safety data sheet	▪ 2006-10-15: 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.