

# KaVo RONDOflex POWDERS

## Safety Data Sheet

according to UN-GHS (ST/SG/AC.10/11/Rev.6)

Page 1 of 7

### 1. Identification

#### Product identifier

KaVo RONDOflex POWDERS

#### Product code:

1.000.5954  
1.000.5955  
1.000.5956  
1.000.5957

#### Recommended use of the chemical and restrictions on use

##### Use of the substance/mixture

Cleaning agent

#### Details of the supplier of the safety data sheet

Company name:	Kaltenbach & Voigt GmbH	
Street:	Bismarckring 39	
Place:	D-88400 Biberach	
Telephone:	+49 (0) 7351 56 0	Telefax: + 49 (0) 7351 56 1488
e-mail:	sdb@kavo.com	
e-mail (Contact person):	support@gefahrstoff.com	
Internet:	<a href="http://www.kavo.com/">http://www.kavo.com/</a>	
Responsible Department:	Questions concerning SDB: PES-Ingenieurgesellschaft mbH	

**Emergency phone number:** +49 (0) 7351 56 4000 (24 h)

### 2. Hazard(s) identification

#### Classification of the chemical

##### **UN-GHS (ST/SG/AC.10/11/Rev.6)**

This substance is not classified as hazardous in accordance with UN-GHS (Rev. 6).

#### Label elements

##### **Hazards not otherwise classified**

Inhalation of dust may cause irritation of the respiratory system.  
particulates and dust: Irritating to eyes and skin.

### 3. Composition/information on ingredients

#### Substances

##### **Chemical characterization**

Contains:  
aluminium oxide, corundum CAS No. 1344-28-1

Sum formula: AL<sub>2</sub> O<sub>3</sub>

Molecular weight: 102

### 4. First-aid measures

#### Description of first aid measures

##### **General information**

In all cases of doubt, or when symptoms persist, seek medical advice.

# KaVo RONDOflex POWDERS

## Safety Data Sheet

according to UN-GHS (ST/SG/AC.10/11/Rev.6)

Page 2 of 7

### **After inhalation**

Provide fresh air.

### **After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.

### **After ingestion**

Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

### **Most important symptoms and effects, both acute and delayed**

No information available.

### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **5. Fire-fighting measures**

### **Extinguishing media**

#### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

### **Specific hazards arising from the chemical**

Hazardous decomposition products: No data available

### **Special protective equipment and precautions for fire-fighters**

Non-flammable.

In case of fire: Wear self-contained breathing apparatus.

In case of fire and/or explosion do not breathe fumes.

### **Additional information**

Avoid dust formation. Fight fire with normal precautions from a reasonable distance.

## **6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Ventilate affected area. Personal protection equipment (PPE): see section 8. Wear respiratory protection when in the presence of vapor, dust, and aerosols. Avoid dust formation. Do not breathe dust.

### **Environmental precautions**

Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

### **Methods and material for containment and cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

### **Reference to other sections**

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

## **7. Handling and storage**

### **Precautions for safe handling**

#### **Advice on safe handling**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

# KaVo RONDOflex POWDERS

## Safety Data Sheet

according to UN-GHS (ST/SG/AC.10/11/Rev.6)

Page 3 of 7

### Further information on handling

When using do not eat, drink or smoke. Wash hands before breaks and after work.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place. Keep/Store only in original container.

#### Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

#### Further information on storage conditions

Ensure adequate ventilation of the storage area.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
-	Particulates not Otherwise regulated (PNOR)	1765	15		TWA (8 h)	PEL
1344-28-1	Total dust alpha-Alumina Respirable fraction	mp/m <sup>3</sup> -	5		TWA (8 h)	PEL

### Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Avoid contact with eyes. Do not breathe dust.

#### Eye/face protection

Wear eye protection/face protection.

#### Hand protection

Wear suitable gloves.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Avoid release to the environment. Do not allow to enter into surface water or drains.

# KaVo RONDOflex POWDERS

## Safety Data Sheet

according to UN-GHS (ST/SG/AC.10/11/Rev.6)

Page 4 of 7

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	solid (Powder)
Color:	white
Odor:	odorless
pH-Value:	not determined

#### **Changes in the physical state**

Melting point/freezing point:	2050 °C
Initial boiling point and boiling range:	2920-3040 °C
Flash point:	not applicable

#### **Flammability**

Solid:	not determined
Gas:	not applicable

#### **Explosive properties**

not explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

#### **Auto-ignition temperature**

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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#### **Oxidizing properties**

Not oxidising.

Vapor pressure: (at 20 °C)	0 hPa
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Density (at 20 °C):	3,9 g/cm <sup>3</sup>
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Water solubility:	practically insoluble
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#### **Solubility in other solvents**

not determined

Partition coefficient:	not determined
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Viscosity / dynamic:	not applicable
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Viscosity / kinematic:	not applicable
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Vapor density:	not determined
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Evaporation rate:	not determined
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#### Other information

Odor threshold: not determined

### 10. Stability and reactivity

#### Reactivity

No hazardous reaction when handled and stored according to provisions.

# KaVo RONDOflex POWDERS

## Safety Data Sheet

according to UN-GHS (ST/SG/AC.10/11/Rev.6)

Page 5 of 7

### **Chemical stability**

Stability: Stable

The product is stable under storage at normal ambient temperatures.

### **Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No known hazardous reactions.

### **Conditions to avoid**

Avoid dust formation.

### **Incompatible materials**

No information available.

### **Hazardous decomposition products**

No known hazardous decomposition products.

## 11. Toxicological information

### **Information on toxicological effects**

#### **Route(s) of Entry**

oral, Inhalation, Eye contact

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

#### **Sensitizing effects**

Based on available data, the classification criteria are not met.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

#### **Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

#### **Specific target organ toxicity (STOT) - repeated exposure**

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): Not listed.

Carcinogenicity (IARC): Not listed.

Carcinogenicity (NTP): Not listed.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

## 12. Ecological information

### **Ecotoxicity**

The product is not: Ecotoxic

### **Persistence and degradability**

The product has not been tested.

### **Bioaccumulative potential**

The product has not been tested.

### **Mobility in soil**

The product has not been tested.

# KaVo RONDOflex POWDERS

## Safety Data Sheet

according to UN-GHS (ST/SG/AC.10/11/Rev.6)

Page 6 of 7

### Other adverse effects

No information available.

### Further information

Avoid release to the environment.

## 13. Disposal considerations

### Waste treatment methods

#### **Advice on disposal**

Dispose of waste according to applicable legislation. Do not empty into drains.

#### **Contaminated packaging**

Handle contaminated packages in the same way as the substance itself. Dispose of waste according to applicable legislation.

## 14. Transport information

### **US DOT 49 CFR 172.101**

**Proper shipping name:** No dangerous good in sense of this transport regulation.

### **Marine transport (IMDG)**

**UN number:** No dangerous good in sense of this transport regulation.

**UN proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

### **Air transport (ICAO-TI/IATA-DGR)**

**UN number:** No dangerous good in sense of this transport regulation.

**UN proper shipping name:** No dangerous good in sense of this transport regulation.

**Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**Packing group:** No dangerous good in sense of this transport regulation.

### **Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### **Special precautions for user**

No information available.

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

## 15. Regulatory information

### **U.S. Regulations**

#### **National Inventory TSCA**

aluminium oxide, corundum CAS No. 1344-28-1: Yes.

#### **National regulatory information**

SARA Section 313 Toxic release inventory:

Aluminum oxide (fibrous forms) (1344-28-1): De minimis limit = 1.0 %, Reportable threshold = Standard

### **State Regulations**

#### **Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other

# KaVo RONDOflex POWDERS

## Safety Data Sheet

according to UN-GHS (ST/SG/AC.10/11/Rev.6)

Page 7 of 7

reproductive harm.

### 16. Other information

#### Hazardous Materials Information Label (HMIS)

Health: 1  
Flammability: 0  
Physical Hazard: 0

#### NFPA Hazard Ratings

Health: 1  
Flammability: 0  
Reactivity: 0  
Unique Hazard:

Revision date: 15.08.2018

Revision No: 1,0



#### Abbreviations and acronyms

IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
PEL: Permissible Exposure Limits  
SARA: Superfund Amendments and Reauthorization Act  
TSCA: Toxic Substances Control Act  
TWA : Time-Weighted Average

#### Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.