

KaVo RONDOflex POWDERS



Safety Data Sheet

according to WHS Regulation

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Revision date: 02.06.2023

Section 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 Dental laboratories product

Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals as listed in WHS

Schedule 10

None

Details of manufacturer or importer

Manufacturer

Company name:	KaVo Dental 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:	www.kavo.com	
Responsible Department:	Questions concerning SDB: epos Software & Service AG	

Distributor

Company name:	KaVo Dental Australia PTY LTD	
	C/O MCCULLOGH ROBERTSON	
Street:	Level 32, 25 Martin Place	
Place:	AUS-2000 Sydney NSW	
E-mail:	sdb@kavo.com	
E-mail (Contact person):	support@gefahrstoff.com	
Internet:	www.kavo.com	
Responsible Department:	Questions concerning SDB: epos Software & Service AG	

Emergency phone number:

Infotrac/GBK GmbH +61-280735031 (Australia)
 Infotrac/GBK GmbH +64-98896587 (New Zealand)

Section 2 - Hazard(s) identification

Classification of the hazardous chemical

WHS 2021

This substance is not classified as hazardous in accordance with WHS Regulations 2021.

Label elements, including precautionary statements

Additional advice on labelling

GHS label elements, including precautionary statements: none

Other hazards

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

Section 3 - Composition and information on ingredients

Substances

Hazardous components

CAS No	Chemical name	Quantity
1344-28-1	Aluminium oxide, corundum	> 60 %

Section 4 - First aid measures

Description of necessary first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

Symptoms caused by exposure

No information available.

Medical attention and special treatment

Treat symptomatically.

Section 5 - Firefighting measures

Suitable extinguishing equipment

Suitable extinguishing media

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

Specific hazards arising from the chemical

Non-flammable.

In case of fire may be liberated: Pyrolysis products, toxic.

Special protective equipment and precautions for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Hazchem code: -

Additional information

Avoid dust formation. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures

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General advice

Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment.

For emergency responders

Wear personal protection equipment (refer to section 8).

Environmental precautions

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

Methods and materials for containment and cleaning up

For containment

Avoid dust formation. Stop leak if safe to do so.

For cleaning up

Take up mechanically. Take up dust-free and set down dust-free. Treat the recovered material as prescribed in the section on waste disposal.

Other information

Clean contaminated articles and floor according to the environmental legislation.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

Section 7 - Handling and storage

Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Store in a cool dry place. Keep/Store only in original container.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Section 8 - Exposure controls and personal protection

Exposure control measures

Workplace Exposure Standards (WES)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1344-28-1	Aluminium oxide	-	10		TWA (8 h)	WES

Exposure controls

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Appropriate engineering controls

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

Individual protection measures, for example personal protective equipment (PPE)

Eye and face protection

Wear eye protection/face protection.

Hand protection

Wear suitable gloves.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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.

Respiratory protection necessary at: exceeding exposure limit values, Generation/formation of dust.

Thermal hazards

not applicable

Environmental exposure controls

Avoid release to the environment.

Section 9 - Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	solid (Powder)
Colour:	white
Odour:	odourless
Odour threshold:	not determined
Melting point/freezing point:	2050 °C
Boiling point or initial boiling point and boiling range:	2920-3040 °C
Flammability:	Non-flammable.
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	not applicable
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic:	not applicable
Water solubility:	practically insoluble
Solubility in other solvents	
not determined	

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Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 20 °C)	0 hPa
Density (at 20 °C):	3,9 g/cm ³
Relative vapour density:	not determined
Particle characteristics:	not determined

Other information

Further Information

No information available.

Section 10 - Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

Avoid dust formation.

Incompatible materials

No information available.

Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic.

Section 11 - Toxicological information

Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1344-28-1	Aluminium oxide, corundum				
	oral	LD50 mg/kg	>10000	Rat	Manufacturer

Irritation and corrosivity

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

Sensitising 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.

STOT-single exposure

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

STOT-repeated exposure

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

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Aspiration hazard

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

Information on possible routes of exposure

oral, dermal, inhalative, eyes.

Information on other hazards

Other information

No information available.

Interactive effects

No information available.

Section 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.

Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

Other adverse effects

No information available.

Further information

Avoid release to the environment.

Section 13 - Disposal considerations

Disposal methods

Disposal recommendations

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.

Section 14 - Transport information

Land transport (ADG)

UN proper shipping name or technical name:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN number or ID number:
UN proper shipping name or technical name:

No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation.

Transport hazard class:

No dangerous good in sense of this transport regulation.

Packing group number:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

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UN number or ID number:	No dangerous good in sense of this transport regulation.
UN proper shipping name or technical name:	No dangerous good in sense of this transport regulation.
Transport hazard class:	No dangerous good in sense of this transport regulation.
Packing group number:	No dangerous good in sense of this transport regulation.

Environmental hazards for transport purposes

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No information available.

Maritime transport in bulk according to IMO instruments

not applicable

Additional information

Hazchem code: -

Section 15 - Regulatory information

National regulatory information

Poisons Schedule number (SUSMP): not applicable

AIRC Inventory status: CAS No. 1344-28-1: Yes. (IMAP tier I assessment)

Additional information

Observe in addition any national regulations!

Section 16 - Any other relevant information

Changes

Revision date: 02.06.2023

Revision No: 1,2

This data sheet contains changes from the previous version in section(s): 3,7,8,9,15,16.

Key abbreviations or acronyms used

ACGIH: American Conference of Governmental Industrial Hygienists

ADG: Australian Dangerous Goods

AICIS: Australian Industrial Chemicals Introduction Scheme

NICNAS: National Industrial Chemicals Notification and Assessment Scheme

IMAP: Inventory Multi-tiered Assessment and Prioritisation

ICAO: International Civil Aviation Organization

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

STEL: Short-term exposure limit

TWA: time-weighted average

TI: Technical Instructions

DGR: Dangerous Goods Regulations

UN: United Nations

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

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EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.