



SAFETY DATA SHEET

KaVo. Dental Excellence.

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name or designation of the mixture KaVo PROPHYflex Perio Powder

REACH Registration Number -

Product code 1,009,5764; 1,009,3732

Date of first issue 21-June-2012

Version number 1.0

Revision date 29-10-2013

Supersedes date

Product use professional use

Relevant identified uses of the substance or mixture and uses advised against

Identified uses For research and development purposes only.

Uses advised against None known.

Details of the supplier of the safety data sheet

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Section 2: Hazards identification

Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards Not classified for health hazards.

Environmental hazards Not classified for hazards to the environment.

Specific hazards For additional information on inhalation hazards, see Section 11 of this safety data sheet.

Main symptoms Not available.

Label elements

Label according to Directive 67/548/EEC or 1999/45/EC as amended

Supplemental label information Not applicable.

Other hazards Not assigned.

Section 3: Composition/information on ingredients

Mixture

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | INDEX No. | Notes |
|---------------|----------|----------------------|------------------------|-----------|-------|
| Glycine | 50 - 100 | 56-40-6 200-272-2 | - | - | |

Classification: -

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

#: This substance has been assigned Community workplace exposure limit(s).

Composition comments Not available.

Section 4: First aid measures

General information Not available.

Description of first aid measures

Inhalation If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed Not available.

Indication of any immediate medical attention and special treatment needed Not available.

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media Do not use water jet.

Special hazards arising from the substance or mixture High concentrations of dust may form explosive mixture with air.

Hazardous combustion products Nitrogen Oxides (NOx). Carbon dioxide (CO2).

Advice for firefighters

Special protective equipment for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special firefighting procedures In the event of fire, cool tanks with water spray.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

Environmental precautions Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water. For waste disposal, see section 13.

Reference to other sections For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling Avoid dust formation. Do not breathe dust from this material. In case of insufficient ventilation, wear suitable respiratory equipment. Provide appropriate exhaust ventilation at places where dust is formed. Guard against dust accumulation of this material. Avoid contact with skin and eyes. Avoid prolonged exposure. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities Store in a well-ventilated place. Keep container tightly closed. Avoid dust formation. Guard against dust accumulation of this material.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

United Kingdom

No exposure limits noted for the ingredient(s).

EU

No exposure limits noted for the ingredient(s).

Biological limit values

EU

No biological exposure limits noted for the ingredient(s).

United Kingdom

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Eye/face protection Use tight fitting goggles if dust is generated.

Skin protection

- **Hand protection**

Wear protective gloves.

- **Other**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection

Use respiratory equipment with particle filter, type P3.

Thermal hazards

Not available.

Hygiene measures Do not breathe dust. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls Not available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|--|---------------------------------|
| Physical state | Solid. |
| Form | Powder. |
| Colour | White. |
| Odour | Odourless. |
| Odour threshold | Not available. |
| pH | Not applicable. |
| Melting point/freezing point | 232 - 236 °C (449.6 - 456.8 °F) |
| Boiling point, initial boiling point, and boiling range | Not available. |
| Flash point | Not applicable. |
| Auto-ignition temperature | Not applicable. |
| Flammability (solid, gas) | Not available. |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Oxidizing properties | Not applicable. |
| Explosive properties | Not applicable. |
| Explosive limit | Not applicable. |
| Vapour pressure | Not applicable. |

| | |
|---|---|
| Vapour density | Not applicable. |
| Evaporation rate | Not applicable. |
| Relative density | Not available. |
| Density | 1.6 g/cm ³ @ 20 °C |
| Solubility (water) | partly miscible |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Bulk density | Not applicable. |
| Pour point | Not applicable. |
| Viscosity | Not available. |
| Viscosity temperature | Not available. |
| VOC (Weight %) | Not available. |
| Percent volatile | Not available. |
| Other information | No relevant additional information available. |

Section 10: Stability and reactivity

| | |
|----------------------------------|---|
| Reactivity | None known. |
| Chemical stability | Material is stable under normal conditions. |
| Conditions to avoid | Avoid spread of dust. Avoid temperatures exceeding the decomposition temperature. Dust may form explosive mixture with air. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | Carbon oxides. Carbon monoxide. Nitrogen oxides (NOx). |

Section 11: Toxicological information

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|--|---|
| General information | Not available. |
| Information on likely routes of exposure | |
| Ingestion | Not available. |
| Inhalation | Inhalation of dusts may cause respiratory irritation. |
| Skin contact | Not available. |
| Eye contact | Not available. |
| Symptoms | Not available. |
| Information on toxicological effects | |
| Acute toxicity | Not available. |
| Skin corrosion/irritation | Not available. |
| Serious eye damage/eye irritation | Dust in the eyes will cause irritation. |
| Respiratory sensitisation | Not available. |
| Skin sensitisation | Not available. |
| Germ cell mutagenicity | Not available. |
| Carcinogenicity | Not available. |
| Reproductive toxicity | Not available. |
| Specific target organ toxicity - single exposure | Not available. |
| Specific target organ toxicity - repeated exposure | Not available. |
| Aspiration hazard | Not available. |
| Mixture versus substance information | Not available. |
| Other information | Not available. |

Section 12: Ecological information

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| Ecotoxicity | Not expected to be harmful to aquatic organisms. |
|-------------|--|

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|---|--|
| Persistence and degradability | No data is available on the degradability of this product. |
| Bioaccumulative potential | Not available. |
| Mobility | Not available. |
| Environmental fate - Partition coefficient | Not available. |
| Mobility in soil | Not available. |
| Results of PBT and vPvB assessment | Not available. |
| Other adverse effects | Not available. |

Section 13: Disposal considerations

Waste treatment methods

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|-------------------------------------|--|
| Residual waste | Not available. |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| EU waste code | Not available. |
| Disposal methods/information | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. |

Section 14: Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Commission Decision 2000/479/EC on the implementation of a European pollutant emission register (EPER)

Not listed.

Regulation (EC) No. 1907/2006, Article 59(1). Candidate List

Not listed.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. The product does not need to be labelled in accordance with EC directives or respective national laws.

National regulations

Not available.

Chemical safety assessment

No Chemical Safety Assessment has been carried out.

Section 16: Other information

References Not available.

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| Information on evaluation method leading to the classification of mixture | Not available. |
| Wording of the R-phrases in sections 2 and 3 | None. |
| Revision information | Product and company identification: Product and company identification Composition/Information on Ingredients: Disclosure Overrides Physical & Chemical Properties: Multiple Properties HazReg Data: Europe - EU |
| Training information | Not available. |
| Disclaimer | The information in the sheet was written based on the best knowledge and experience currently available. |
| Issue date | Not available. |
| Revision date | 21-June-2012 |
| Print date | 21-June-2012 |