

KaVo PROPHYpearls™ (neutral + flavors)

Safety Data Sheet



according to 29 CFR 1910.1200(g)

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Revision date: 13.08.2019

1. Identification

Product identifier

KaVo PROPHYpearls™ (neutral + flavors)

Product code:

1.010.1826
1.010.1828
1.010.1829
1.010.1830
1.010.1831
1.010.1798
1.013.4400

Further trade names

PROPHYpearls™ neutral, PROPHYpearls™ mint, PROPHYpearls™ peach, PROPHYpearls™ orange, PROPHYpearls™ black currant

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

The product is intended for professional use.

Details of the supplier of the safety data sheet

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: PES-Ingenieurgesellschaft mbH	

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

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Serious eye damage/eye irritation: Eye Irrit. 2B

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Hazard statements

Causes eye irritation

Precautionary statements

Wash hands thoroughly after handling.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Hazards not otherwise classified

Repeated exposure may cause skin dryness or cracking.

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Inhalation of dust may cause irritation of the respiratory system. (high concentrations)
In case of inhalation: Cough

3. Composition/information on ingredients

Mixtures

Chemical characterization

Contains:

Calcium fluoride
CAS No.: 7789-75-5
Concentration: 0,49 Wt %

Hazardous components

CAS No	Components	Quantity
471-34-1	Calcium carbonate	98.04 %

4. First-aid measures

Description of first aid measures

After inhalation

Remove casualty to fresh air and keep warm and at rest. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

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. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.

Most important symptoms and effects, both acute and delayed

Repeated exposure may cause skin dryness or cracking.
Inhalation of dust may cause irritation of the respiratory system. (high concentrations)
In case of inhalation: Cough

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

The product itself does not burn.
In case of fire may be liberated: Carbon dioxide (CO₂), Gases/vapors, toxic

Special protective equipment and precautions for fire-fighters

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

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Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

Take up mechanically. Avoid dust formation. Wet clean or vacuum up solids. 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. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place. Store in a cool dry place.

Hints on joint storage

Do not store together with: Oxidising agent, Acid, Fluorine

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
-	Fluorides (as F)	-	2.5		TWA (8 h)	PEL
-	Fluorides, as F		2.5		TWA (8 h)	ACGIH-2019
-	Particles (insoluble or poorly soluble) not otherwise specified (inhalable fraction)		10		TWA (8 h)	ACGIH-2019
-	Particles (insoluble or poorly soluble) not otherwise specified (respirable fraction)		3		TWA (8 h)	ACGIH-2019
-	Particulates not Otherwise regulated (PNOR) Respirable fraction	529.5 mp/m ³	5		TWA (8 h)	PEL
-	Particulates not Otherwise regulated (PNOR) Total dust	1765 mp/m ³	15		TWA (8 h)	PEL

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Biological Exposure Indices (BEI-ACGIH)

CAS No.	Substance	Determinant	Value	Test material	Sampling time
-	FLUORIDES	Fluoride	2 mg/L	urine	Prior to shift
-	FLUORIDES	Fluoride	3 mg/L	urine	End of shift

Exposure controls



Appropriate engineering controls

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

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Do not breathe dust/fume/gas/mist/vapors/spray.

Eye/face protection

Wear eye/face protection.

Hand protection

Wear protective 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

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Do not allow to enter into surface water or drains.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	solid
Color:	white
Odor:	characteristic
pH-Value:	8,5 (10 % in aqueous solution)

Changes in the physical state

Melting point/freezing point:	825 °C
Initial boiling point and boiling range:	not determined
Flash point:	not applicable

Flammability

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Solid: not determined
Gas: not applicable

Explosive properties

The product is not: Explosive.

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

Auto-ignition temperature

Solid: not determined
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapor pressure: not determined

Density: 2,5 - 2,7 g/cm³

Solubility in other solvents

Soluble in:
insoluble in: Alcohol

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapor density: not determined

Evaporation rate: not determined

Other information

Odor threshold: not determined

10. Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability: Stable

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Hazardous reactions: May occur

Reaction with: Oxidising agent, Acid, Fluorine

Conditions to avoid

No information available.

Incompatible materials

Oxidising agent, Acid, Fluorine

Hazardous decomposition products

In case of fire may be liberated: Carbon dioxide (CO₂), Gases/vapors, toxic

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11. Toxicological information

Information on toxicological effects

Route(s) of Entry

dermal, inhalative, Eye contact

Acute toxicity

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

Irritation and corrosivity

Causes eye irritation

Skin corrosion/irritation: 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):

No ingredient of this mixture is listed.

Carcinogenicity (IARC):

Fluorides (CAS 16984-48-8) inorganic, used in drinking-water is listed in group 3.

Carcinogenicity (NTP):

No ingredient of this mixture is listed.

Aspiration hazard

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

Practical experience

Other observations

Repeated exposure may cause skin dryness or cracking.

Inhalation of dust may cause irritation of the respiratory system. (high concentrations)

In case of inhalation Cough

12. Ecological information

Ecotoxicity

The product is not: Ecotoxic.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

The product is: (Water).

Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13. Disposal considerations

Waste treatment methods

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Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. 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

Calcium carbonate: Yes.

Calcium fluoride: Yes.

National regulatory information

SARA Section 311/312 Hazards:

Calcium carbonate (471-34-1): Immediate (acute) health hazard

State Regulations

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

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Hazardous Materials Information Label (HMIS)

Health: 1

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Flammability: 0

Physical Hazard: 1

NFPA Hazard Ratings

Health: 1

Flammability: 0

Reactivity: 1

Unique Hazard:

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Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

CFR: Code of Federal Regulations

DOT: Department of Transportation

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IARC: International Agency for Research on Cancer

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

NFPA: National Fire Protection Association

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: permissible exposure limit

REL: recommended exposure limit

SARA: Superfund Amendments and Reauthorization Act

STEL: Short-term exposure limit

TSCA: Toxic Substances Control Act

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%

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

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 receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)