

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : Lunos® Polishing paste Two in One Mint
Revision : 01.01.2018
Print date : 01.01.2018

Version (Revision): 1.0.1 (1.0.0)

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

1.1 Product identifier

Lunos® Polishing paste Two in One Mint

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

Relevant identified uses

Two in One Polishing Paste is a high-quality polishing paste for use in dental prophylaxis. Two in One Polishing Paste removes discolouration and plaque extremely gently.

Product Categories [PC]

PC0 - Other

Uses advised against

None, if handled according to order.

Remark

The product is intended for professional use.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

orochemie GmbH + Co. KG

Street : Max-Planck-Straße 27

Postal code/city : 70806 Kornwestheim

Telephone : +49 7154 1308-0

Telefax : +49 7154 1308-40

Information contact : DÜRR DENTAL SE, Höpfigheimer Str. 17, 74321 Bietigheim-Bissingen, Germany
Tel: +49 7142 705-0, Fax: +49 7142 705-500, info@duerrdental.com

in Great Britain/Ireland:
DÜRR DENTAL [Products] UK Ltd., 14 Linnell Way - Telford Way Industrial Estate, Kettering Northants NN16 8PS,
United Kingdom
Tel: +44 1536 526740, Fax.: +44 1536 526749, info@duerruk.com

1.4 Emergency telephone number

INT: +49 6132 84463 (24 h/7 d)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Although there is no labelling required for this product, we nevertheless advise observation of the safety recommendations.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

None

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements

P280 Wear protective gloves and eye/face protection.

2.3 Other hazards

None

SECTION 3: Composition / information on ingredients

3.2 Mixtures

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Description

Prophy Paste Two in One Mint contains silicates, glycerin, hydroxylapatite, acidity regulator, preservatives (phenoxyethanol, parabens), thickener, emulsifier, sodium fluoride, colourings (C.I. 42090, C.I. 47005, C.I. 77891), peppermint oil and water.

Hazardous ingredients

SODIUM FLUORIDE ; REACH registration No. : - ; EC No. : 231-667-8; CAS No. : 7681-49-4

Weight fraction : < 0,2 %

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H301 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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

Following inhalation

No special measures are necessary.

In case of skin contact

Wash with plenty of water. When in doubt or if symptoms are observed, get medical advice.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2) Extinguishing powder Water spray Water mist The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

None known.

Hazardous combustion products

None known.

5.3 Advice for firefighters

Adapt protective equipment to surrounding fire.

Special protective equipment for firefighters

Adapt protective equipment to surrounding fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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Use personal protection equipment. See protective measures under point 7 and 8.

For non-emergency personnel

Use personal protection equipment. See protective measures under point 7 and 8.

For emergency responders

Personal protection equipment

See protective measures under point 7 and 8.

6.2 Environmental precautions

No special environmental measures are necessary.

6.3 Methods and material for containment and cleaning up

For cleaning up

No special measures are necessary.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep/Store only in original container. Please note safety instructions and directions for use on the drum.

Protective measures

Measures to prevent fire

Usual measures for fire prevention. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed. Keep in a cool, well-ventilated place. Do not store in temperatures below 5 °C. Do not store in temperatures exceeding 25 °C. Protect to direct exposure to the sun.

Hints on joint storage

Store the foodstuffs separately.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

SODIUM FLUORIDE ; CAS No. : 7681-49-4

Limit value type (country of origin) : TWA (EC)

Limit value : 2,5 mg/m³

Version : 08.06.2000

DNEL/DMEL and PNEC values

There are no data available on the preparation itself.

8.2 Exposure controls

Personal protection equipment

Eye/face protection

No special measures are necessary.

Suitable eye protection

Eye glasses with side protection

Skin protection

Hand protection

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Short-term exposure (Level 2: < 30 min): disposable gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.1 mm.

Long-term exposure (Level 6: < 480 min): protective gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.7 mm.

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

Body protection

Body protection: not required.

Respiratory protection

No special measures are necessary.

General health and safety measures

Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Separate storage of work clothes. When using do not eat, drink, smoke, sniff.

Occupational exposure controls

Technical measures to prevent exposure

Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Paste

Colour : greenish blue

Odour : like Peppermint

Safety relevant basis data

Melting point/melting range :	(1013 hPa)	No data available	
Initial boiling point and boiling range :	(1013 hPa)	No data available	
Decomposition temperature :	(1013 hPa)	No data available	
Flash point :		not applicable	
Ignition temperature :		not applicable	
Lower explosion limit :		not applicable	
Upper explosion limit :		not applicable	
Vapour pressure :	(50 °C)	No data available	
Density :	(20 °C)	1,6 - 1,8	g/cm ³
Solvent separation test :	(20 °C)	No data available	
Water solubility :	(20 °C)	No data available	
pH value :		7,8 - 9	
log P O/W :		No data available	
Flow time :	(20 °C)	not applicable	DIN-cup 4 mm
Odour threshold :		No data available	
Maximum VOC content (EC) :		0	Wt %
Oxidising liquids :	Not oxidizing.		
Explosive properties :	Not applicable.		
Corrosive to metals :	Not corrosive to metals.		

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

None, if handled according to order.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

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10.3 Possibility of hazardous reactions

None, if handled according to order.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	66667 mg/kg
Parameter :	LD50 (SODIUM FLUORIDE ; CAS No. : 7681-49-4)
Exposure route :	Oral
Species :	Rat
Effective dose :	52 mg/kg
Parameter :	LD50 (SODIUM FLUORIDE ; CAS No. : 7681-49-4)
Exposure route :	Oral
Species :	Rat
Effective dose :	31 mg/kg
Parameter :	LD50 (SODIUM FLUORIDE ; CAS No. : 7681-49-4)
Exposure route :	Oral
Species :	Mouse
Effective dose :	44 mg/kg
Parameter :	ATE (SODIUM FLUORIDE ; CAS No. : 7681-49-4)
Exposure route :	Oral
Effective dose :	100 mg/kg

Practical experience/human evidence

Avoid contact with eyes.

Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	not relevant

Acute inhalation toxicity

Parameter :	ATEmix calculated
Exposure route :	Inhalative (vapour)
Effective dose :	not relevant

Irritant and corrosive effects

Primary irritation to the skin

Not an irritant. Method : ISO 10993-10.

Sensitisation

Susceptible people may suffer allergic reactions.

In case of skin contact

Mouse: non-sensitizing. Method : ISO 10993-10.

11.5 Additional information

The classification was carried out according to the calculation method of Regulation No. (EC) 1272/2008 [CLP] as well as in-house investigations.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

There are no data available on the preparation itself.

Acute (short-term) fish toxicity

Parameter : LC50 (SODIUM FLUORIDE ; CAS No. : 7681-49-4)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 200 mg/l
Exposure time : 96 h

Chronic (long-term) fish toxicity

Parameter : NOEC (SODIUM FLUORIDE ; CAS No. : 7681-49-4)
Species : Fish
Evaluation parameter : Chronic (long-term) fish toxicity
Effective dose : 500 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (SODIUM FLUORIDE ; CAS No. : 7681-49-4)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 98 mg/l
Exposure time : 48 h

12.2 Persistence and degradability

Biodegradation

The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No data available

Adsorption/Desorption

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

No ecological problems are expected when used and handled properly.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Concentrate/larger quantities: 18 01 07.

Waste treatment options

Appropriate disposal / Product

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

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Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

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

not applicable

SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

Regulation (EC) No. 648/2004 (Detergents regulation)

National regulations

Restrictions of occupation

None

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

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16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimates

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CMR = Carcinogen, Mutagen or Reproductive toxicant

CO₂ = Carbon dioxide

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EC = European Commission

EC50 = Half maximal effective concentration

EN = European Standard (Norm)

EU = European Union

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EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
H statement = GHS Hazard statement
IATA = International Air Transport Association ICAO-TI = International Civil Aviation Organization-Technical Instructions
IMDG = International Maritime Dangerous Goods
LC50 = Median lethal concentration
LD50 = Median lethal dose
LogPow = Logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOEC/NOEL = No observed effect concentration/level
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RMM = Risk Management Measure
RRN = REACH Registration Number
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SVHC = Substances of Very High Concern
TLV/STEL = Threshold limit value/short-term exposure limit
TLV/TWA = Threshold limit value/time weighted average
UN = United Nations
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H301	Toxic if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

16.6 Training advice

None

16.7 Additional information

Notice the directions for use on the label.

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.
