

# EG-MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31



Revision: 18.04.2023  
Version number 3 (replaces version 2)

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printing date: 20.11.2018

## Pumice-Sep

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

- 1.1 Product identifier**  
Commercial product name: Pumice-Sep
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Application of the substance / the mixture: Auxiliary for dental technology
- 1.3 Details of the supplier of the safety data sheet**  
Manufacturer/Supplier: ERNST HINRICHS Dental GmbH  
Street / mailbox: Borsigstr. 1  
Country code. / postal code / city: D - 38644 Goslar  
Phone: 0 53 21 / 5 06 24  
Fax: 0 53 21 / 5 08 81  
E-mail / Website: [info@hinrichs-dental.de](mailto:info@hinrichs-dental.de) / [www.hinrichs-dental.de](http://www.hinrichs-dental.de)  
Further information obtainable from: ERNST HINRICHS Dental GmbH
- 1.4 Emergency telephone number**  
ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 5 06 24 (Mon-Fri. 8 a.m. – 4 p.m.)

### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008:** The product is not classified according to the CLP regulation.
- 2.2 Label elements**  
**Labelling according to Regulation (EC) No 1272/2008:**
- Hazard pictograms:** Void
- Signal word:** Void
- Hazard statements:** Void
- Additional information:** Safety data sheet available on request.
- 2.3 Other hazards:**  
**Results of PBT and vPvB assessment**  
PBT: Not applicable.  
vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- 3.1 Chemical characterization:** Mixtures  
**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 57-55-6 EINECS: 200-338-0 RTECS: TY 2000000 Reg.nr.: 01-2119456809-23-xxxx	Propylene glycol substance with a Community workplace exposure limit	10-25%
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Additional information:

For the wording of the listed risk phrases refer to section 16.

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### SECTION 4: First aid measures

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#### 4.1 Description of first aid measures

**After inhalation:**

Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Generally the product does not irritate the skin.

**After eye contact:**

Rinse opened eye for several minutes under running water.

**After swallowing:**

If symptoms persist consult doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

### SECTION 5: Firefighting measures

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#### 5.1 Extinguishing media

**Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

#### 5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

#### 5.3 Advice for firefighters

**Protective equipment:**

No special measures required.

### SECTION 6: Accidental release measures

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#### 6.1 Personal precautions, protective equipment and emergency procedures:

Not required.

#### 6.2 Environmental precautions:

Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### 6.4 Reference to other sections:

No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

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#### 7.1 Handling

**Precautions for safe handling:**

No special precautions are necessary if used correctly.

**Information about fire - and explosion protection:**

No special measures required.

**Conditions for safe storage, including any incompatibilities**

#### 7.2 Storage

**Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

**Information about storage in one common storage facility:**

Not required.

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**Further information about storage conditions:**

Store in upright position.

**7.3 Specific end use(s):**

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

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### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
<b>57-55-6 Propylene glycol</b>	
WEL	Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm *total vapour and particulates **particulates

**Additional information:**

The lists valid during the making were used as basis.

### 8.2 Exposure controls

**Appropriate engineering controls:**

**No further data; see item 7.**

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

**Respiratory protection:**

Not required.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves.**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Rubber gloves

**For the permanent contact gloves made of the following materials are suitable:**

Neoprene gloves

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

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**Not suitable are gloves made of the following materials:**

Butyl rubber, BR  
Nitrile rubber, NBR  
Natural rubber, NR

**Eye/face protection:**

Goggles recommended during refilling.

## SECTION 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

#### General Information

Physical state:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	Not applicable.
Lower and upper explosion limit	
Lower:	2.6 Vol % (1,2-propylen-glycol)
Upper:	12.6 Vol % (1,2-propylen-glycol)
Flash point:	101 °C
Ignition temperature:	371 °C
Decomposition temperature:	Not determined.
pH at 20 °C:	6.5
Viscosity:	
Kinematic viscosity at 20 °C:	42 s (ISO 3 mm)
Dynamic:	Not determined.
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure at 20 °C:	23 hPa
Density and/or relative density	
Density at 20 °C:	1.02 g/cm <sup>3</sup>
Relative density:	Not determined.
Vapour density:	Not determined.

### 9.2 Other information

**Appearance:**

**Form:** Fluid

#### Important information on protection of health and environment, and on safety

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Solvent content:**

**Organic solvents:** 15.0 %

**Water:** 84.0 %

**Solids content:** 0.0 %

**Change in condition**

**Evaporation rate:** Not determined.

#### Information with regard to physical hazard classes

**Explosives:** Void

**Flammable gases:** Void

**Aerosols:** Void

**Oxidising gases:** Void

**Gases under pressure:** Void

**Flammable liquids:** Void

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Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water:	Void
Oxidising liquids:	Void
Oxidising solids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

### SECTION 10: Stability and reactivity

10.1 Reactivity.	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	No further relevant information available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity:

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	13333 mg/kg (rat)

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):	
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.

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<b>STOT-single exposure:</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.
<b>11.2 Information on other hazards Endocrine disrupting properties:</b>	<b>None of the ingredients is listed.</b>

### SECTION 12: Ecological information

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<b>12.1 Toxicity Aquatic toxicity:</b>	No further relevant information available.
<b>12.2 Persistence and degradability:</b>	No further relevant information available.
<b>12.3 Bioaccumulative potential:</b>	No further relevant information available.
<b>12.4 Mobility in soil:</b>	No further relevant information available.
<b>12.5 Results of PBT and vPvB assessment PBT: vPvB:</b>	Not applicable. Not applicable.
<b>12.6 Endocrine disrupting properties:</b>	For information on endocrine disrupting properties see section 11.
<b>12.7 Other adverse effects:</b>	No further relevant information available.
<b>Additional ecological information:</b>	
<b>General notes:</b>	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

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<b>13.1 Waste treatment methods Recommendation:</b>	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
<b>Uncleaned packaging Recommendation:</b>	Disposal must be made according to official regulations.
<b>Recommended cleansing agents:</b>	Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

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<b>14.1 UN-Number: ADR, ADN, IMDG, IATA:</b>	Void
<b>14.2 UN proper shipping name: ADR, ADN, IMDG, IATA:</b>	Void
<b>14.3 Transport hazard class(es): ADR, IMDG, IATA</b>	

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<b>Class:</b>	Void
<b>Label:</b>	-
<b>ADN/R Class:</b>	Void
<b>14.4 Packing group: ADR, IMDG, IATA:</b>	Void
<b>14.5 Environmental hazards: Marine pollutant:</b>	No
<b>14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number:</b>	- -
<b>14.7 Maritime transport in bulk according to IMO instruments:</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications.

### SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008:</b>	GHS label elements
<b>Hazard pictograms:</b>	Void
<b>Signal word:</b>	Void
<b>Hazard statements:</b>	Void
<b>15.2 Chemical safety assessment:</b>	A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. \*

**Recommended restriction of use:**                      **Product only for professional use**

#### Abbreviations and acronyms:

RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organisation
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative

\* Data compared to the previous version altered.