



according to 1907/2006/EC, Article 31
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Pumice-Sep

1. Identification of the substance / Preparation and Company: *


- 1.1 Product identifier
Commercial product name: Pumice-Sep
- 1.2 Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.
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 / www.hinrichs-dental.de
Further information obtainable from: ERNST HINRICHS Dental GmbH
Importer: Ivoclar Vivadent Ltd
12 Omega St, Rosedale, Auckland, New Zealand
Phone +64 9 914 9999 Fax +64 9 914 9990
www.ivoclarvivadent.co.nz
- 1.4 Emergency phone number: 0800 764 766 (National Poison Centre)
Poisons Hotline (24 hours / 7 days)

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: Void
Hazard pictograms: Void
Signal word: Void
Hazard statements: Void
- 2.3 Other hazards:
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

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	Methyl glycol	 Acute Tox. 4, H302	10-25%
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Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures:

- 4.1 Description of first aid measures
General information: No special measures required.
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: Rinse out mouth and then drink plenty of water.
- 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.

5. Firefighting measures:

- 5.1 Extinguishing media

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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.

6. Accidental release measures:

- 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.

7. Handling and Storage: *

- 7.1 Handling
Precautions for safe handling: No special measures required.
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: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.
Specific end use(s): No further relevant information available.

8. Exposure limits and personal, protective clothing and equipment: *

8.1 Additional information about design of technical facilities: No further data; see item 7.

8.2 Control parameters

Ingredients with limit values that require monitoring at the workplace:
57-55-6 Methyl glycol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
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Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection: Not required.
Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.



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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
Not suitable are gloves made of the following materials:	Butyl rubber, BR Nitrile rubber, NBR Natural rubber, NR
Eye protection:	Goggles recommended during refilling.

9. Physical and chemical properties:

9.1	Information on basic physical and chemical properties	
	General Information	
	Appearance:	
	Form:	Fluid
	Colour:	Colourless
	Odour:	Characteristic
	Odour threshold:	Not determined.
	pH-value at 20 °C:	6.5
9.2	Change in condition	
	Melting point/Melting range:	Undetermined.
	Boiling point/Boiling range:	100 °C
	Flash point:	101 °C
	Flammability (solid, gaseous):	Not applicable.
	Ignition temperature:	
	Decomposition temperature:	Not determined.
	Auto-ignition temperature:	Product is not selfigniting.
	Explosive properties:	Product does not present an explosion hazard.
	Explosion limits:	
	Lower:	2.6 Vol % (1,2-propylen-glycol)
	Upper:	12.6 Vol % (1,2-propylen-glycol)
	Vapour pressure at 20 °C:	23 hPa
	Density at 20 °C:	1.02 g/cm ³
	Relative density:	Not determined.
	Vapour density:	Not determined.
	Evaporation rate:	Not determined.
	Solubility in / Miscibility with water:	Fully miscible.
	Partition coefficient (n-octanol/water):	Not determined.
	Viscosity:	
	Dynamic:	Not determined.
	Kinematic:	Not determined.
	Solvent content:	
	Organic solvents:	15.0 %
	Water:	>80 %
9.2	Other information:	No further relevant information available.

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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.

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)
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57-55-6 Methyl glycol

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

Primary irritant effect:

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.

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.

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

12. Ecological information:

- 12.1 Toxicity
 - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information
 - General notes: 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.
- 12.5 Results of PBT and vPvB assessment
 - PBT: Not applicable.
 - vPvB: Not applicable.
- 12.6 Other adverse effects: No further relevant information available.

13. Disposal considerations:

- 13.1 Waste treatment methods
 - Recommendation: Smaller quantities can be disposed of with household waste.
- 13.2 European waste catalogue

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
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07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 99	wastes not otherwise specified

13.3 Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. Transportation: *

14.1 UN-Number: ADR, ADN, IMDG, IATA:	Void
14.2 UN proper shipping name: ADR, ADN, IMDG, IATA:	Void
14.3 Transport hazard class(es): ADR, IMDG, IATA	
Class:	Void
Label:	-
ADN/R Class:	Void
14.4 Packing group: ADR, IMDG, IATA:	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number:	- -
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Transport/Additional information: ADR	Not applicable. Not dangerous according to the above specifications.
Excepted quantities (EQ): Limited quantities (LQ): Transport category: UN "Model Regulation":	- - - Void

15. Regulatory information:

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

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.

16.1 Relevant phrases H302:	Harmful if swallowed.
16.2 Abbreviations and acronyms: RID: IATA-DGR: ICAO: ICAO-TI: ADR: IMDG: IATA: GHS:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) Dangerous Goods Regulations by the "International Air Transport Association" (IATA) International Civil Aviation Organisation Technical Instructions by the "International Civil Aviation Organisation" (ICAO) Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) International Maritime Code for Dangerous Goods International Air Transport Association Globally Harmonized System of Classification and Labelling of Chemicals

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- 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
- Acute Tox. 4: Acute toxicity – Category 4

* Data compared to the previous version altered.