

Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier** PUMICE**1.2. Relevant identified uses of the substance or mixture and uses advised against**
Product is used for polishing of acrylics in dental prosthetics.**1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier:	INTERDENT d.o.o.	<i>Production:</i> INTERDENT d.o.o.
Street:	Opekarniška cesta 26	Dol 1
Country code /Postal code/City:	SI-3000 Celje	SI-3342 Gornji Grad
Telephone:	+386(0) 425-62-00	
Fax:	+368(0) 490-62-02	

1.4 Emergency telephone number

Emergency phone:	112 (EU)
	+386(0) 425-62-00 (Mon – Fri: 8.00 – 16.00)

SECTION 2: Hazards Identification**2.1 Classification of the substance or mixture**

Product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2 Label elements

None for the mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

Avoid inhalation of dust.

SECTION 3: Composition / information on ingredients**3.1 Mixture****Ingredients:**

Chemical formulae	Chemical name	Constituent [%]
SiO ₂	Silicon dioxide	74,6

Safety Data Sheet

Al ₂ O ₃	Aluminum Oxide	12,5
K ₂ O	Potassium Oxide	4,5
Na ₂ O	Sodium Oxide	4,0
Fe ₂ O ₃	Ferric oxide	< 2,0
CaO	Calcium Oxide	< 2,0
MgO	Magnesium Oxide	< 2,0
TiO ₂	Titanium dioxide	< 2,0
SO ₃	Sulphur Trioxide	0,2
MnO	Manganese Oxide	0,1
CO ₂	Carbon Dioxide	0,1
FeO	Ferrous Oxide	0,06
P ₂ O ₅	Phosphorus Pentoxide	0,005
H ₂ O+	Combined water	4,4
This media contains no free silica.		

SECTION 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 General information:

No special measures required.

After inhalation:

Not required

After skin contact:

No special measures required.

After eye contact:

Rinse opened eye for several minutes under running water to remove dust particles.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicological information

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

Safety Data Sheet

SECTION 5: Fire Prevention Regulations

5.1 Extinguishing media

Suitable extinguishing agents:

No limitations

Unsuitable extinguishing agents:

n.a.

5.2 Special hazards arising from the substance or mixture

Not known

5.3 Advice for firefighters

Self-contained breathing apparatus (SBA) and full protective equipment is recommended.

SECTION 6: Accidental Substance Release Regulations

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8.

6.2 Environmental precautions

Not applicable

6.3 Methods and material for containment and cleaning up

Collect mechanically and dispose as inert solid waste.

6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle carefully to avoid raising dust concentration in working area.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool and dry place.

7.3. Specific end use(s)

No specific end uses.

Safety Data Sheet

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Occupational exposure limit:

Directive 98/24/EC with all amendments and implementations

Official Gazette RS, nr. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18, 78/19

Chemical name: Dust**OEL**8 h: 10 mg/m³ (I)*8 h: 1,25 mg/m³ (A)*

* A- alveolar fraction, I- inhalable fraction

Chemical name: Silicon dioxide, amorphousMV= 4 mg/m³ (Inhalable fraction)

Inhalable fraction – the part of the total suspended material that is inhaled by the employees.

8.2 Exposure controls*8.2.1 Appropriate engineering controls:*

No specific measures.

8.2.2 Personal protective equipment

Personal protection equipment in accordance with Directive (EU) 2016/425 and List for harmonized standards for OVO-2018/C 209/03.

General protection and hygienic measures:

Provide good ventilation. Do not breath dust. Wear personal protective equipment. Do not eat, drink or smoke when working. Wash hands when stop working and during breaks.

Hand protection:

Recommendation of use protection in accordance with EN 374-1:2016.

Respiratory system:

Suitable dust mask if exposed to high dust concentration.

Use mask with filter: respirator EN149:2001+A1:2009 (FFP2).

Eye protection:

Recommendation safety goggles (EN 166:2001).

Skin and body protection:

Working clothes.

Safety Data Sheet

8.3 Control of environment protection

Common instructions: Do not wash rinse with fresh water or to drainage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Colour	grey
Odour	odourless
Melting point / freezing point	Melting point: 1200 °C
Boiling point or initial boiling point and boiling range	NA
Flammability	NA
Lower and upper explosion limit	NA
Flash point	NA
Auto-ignition temperature	NA
Decomposition temperature	NA
pH	7,5 - 8
Kinematic viscosity	NA
Solubility	NA
Partition coefficient n-octanol/water (log value)	NA
Vapour pressure	NA
Density and/or relative density	2.40 g/cm ³
Relative vapour density	NA
Particle characteristics	NA

9.2 Other information

Hardness	5,5 (Mohs)
Refractive index	1,5

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product.

Safety Data Sheet

10.2 Chemical stability

In the product form is stable under normal storage and handling conditions.

10.3 Possibility of hazardous reaction

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

Pumice is inert material, insoluble in water, base and acid except HF.

10.6 Hazardous decomposition products

None at normal storing and work conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Not classified

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified.

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: No data available

11.2 Information on other hazards

No other information available.

SECTION 12: Ecological information

12.1 Toxicity

Non- toxic inert material.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Safety Data Sheet

No data available

12.4 Mobility in soil

Not available for the product.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to EC 1907/2006 REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effect

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Inert solid waste. Product can be disposed as household waste when following local regulations.

SECTION 14: Transport Information

	Land-Road/Railway (ADR/RID):	Inland waterways (ADNR):	Sea (IMDG):	Air (IATA):
14.1 UN number	No data available			
14.2 UN proper shipping name	No data available			
14.3 Transport hazard class(es)	No data available			
14.4 Packing group	No data available			
14.5 Environmental hazards	No data available			
14.6 Special precautions for user	No special precautions			
14.7 Maritime transport in bulk according to IMO instruments	No data available			

Not a dangerous product within the meaning of the transport regulations.

Safety Data Sheet

SECTION 15: Regulatory information

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

EU Label Information:

Classification and labeling have been performed according to Regulation 1272/2008.

EU Hazard Symbol and Indication of Danger:

According to Regulation EC 1272/2008 this product is not classified.

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Revision:

Version 04 issued on December 2022 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

Revision in accordance with changes in COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Legend of abbreviations:

ADR - Accord européen relatif au transport international des marchandises dangereuses par route

CAS - Chemical Abstracts Service

CLP – Classification, labeling and packaging

CMR - Carcinogenic, Mutagenic or toxic for Reproduction

DNEL - Derived No-Effect Level

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EmS Emergency Schedule

GHS "Globally Harmonized System of Classification and Labelling of Chemicals"

IARC: International agency for research on cancer

IATA International Air Transport Association

IATA/DGR Dangerous Goods Regulations (DGR) for the air transport (IATA)

ICAO International Civil Aviation Organization IMDG International Maritime

Dangerous Goods Code PBT persistent bioaccumulative, toxic

LD50: Median lethal dose; the dose causing 50% lethality

NTP: National toxicology program

OSHA: Occupational safety and health administration

OEL: Occupational exposure limit

Safety Data Sheet

OSHA PELs: Permissible Exposure Limits - 8-hour TWA (time-weighted average) concentrations unless otherwise noted.

PNEC Predicted No-Effect Concentration

PPM parts per million

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Règlement concernant le transport International ferroviaire des marchandises

Dangereuses št. vPvB very Persistent and very Bioaccumulative (zelo obstojno in se zelo lahko kopiči v organizmih)

Disclaimer of expressed and implied warranties:

The information contained in the safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.