

SAFETY DATA SHEET

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

Revision date: 14-Mar-2019

Print date: 03-Apr-2019

Version: 1

Page 1/7



Plurabims Mittel

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

1.1. Product identifier

Trade name/designation:

Plurabims Mittel

Article No.:

243432, 243433

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

Use of the substance/mixture:

Abrasive

For pre-polishing of all plastic work in dental technology.

1.3. Details of the supplier of the safety data sheet

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

Pluradent AG & Co.KG

Kaiserleistrasse 3

63067 Offenbach a.M.

Germany

Telephone: +49 69 82983-0

Telefax: +49 69 82938-271

E-mail: regulatory.affairs@pluradent.de

Website: www.pluradent.de

1.4. Emergency telephone number

Vergiftungsinformationszentrale der Gesundheit Österreich, 24h: +43 1 406 43 43

Giftnotruf Mainz, 24h: +49 (0) 6131/19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: -

Supplemental Hazard information (EU): -

Precautionary statements: -

Additional information:

The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3. Other hazards

Adverse physicochemical effects:

According to Regulation (EC) No 1907/2006 (REACH), this product contains no PBT / vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

Natural complex silicate, mainly consisting of silicon dioxide (SiO₂) and several chemically bound elements / dioxides.

SAFETY DATA SHEET

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

Revision date: 14-Mar-2019

Print date: 03-Apr-2019

Version: 1

Page 2/7



Plurabims Mittel

Additional information:

The product contains no dangerous ingredients.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

No special measures are necessary.

Following inhalation:

No special measures are necessary. Wash with plenty of water. Provide fresh air.

In case of skin contact:

No special measures are necessary. Wash with plenty of water. Avoid friction

After eye contact:

No special measures are necessary. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Avoid friction

After ingestion:

No special measures are necessary. Rinse mouth immediately and drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn. No known hazardous decomposition products.

5.3. Advice for firefighters

not relevant

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Avoid dust formation. Ensure sufficient ventilation, especially in closed rooms.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up

For containment:

Collect spillage. Place in suitable container for disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SAFETY DATA SHEET

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

Revision date: 14-Mar-2019

Print date: 03-Apr-2019

Version: 1

Page 3/7



Plurabims Mittel

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

No special handling advices are necessary.

Fire prevent measures:

not relevant

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Protect from moisture.

Hints on storage assembly:

Do not store together with: hydrofluoric acid

Storage class: 13 - Non-combustible solids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Dust protection eye glasses

Skin protection:

In case of abrasive contact use protective gloves.

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

8.2.3. Environmental exposure controls

No further relevant information available.

8.3. Additional information

Occupational exposure limit values : CAS No. 1332-09-8 pumice TWA: -8/40h 5 mg/m³

We recommend the T.L.V.-T.L.W. (Threshold limit value) Standards specified in A.C.G.I.H (American Conference of Government Hygienists).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: light grey

Odour: odourless

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SAFETY DATA SHEET

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

Revision date: 14-Mar-2019

Print date: 03-Apr-2019

Version: 1

Page 4/7



Plurabims Mittel

Safety relevant basis data

parameter		at °C	Method	Remark
pH	7 - 8			
Melting point	1,200 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not applicable</i>			
Vapour density	<i>not determined</i>			
Density	2,360 - 2,400 g/cm ³	20 °C		
Bulk density	350 - 900 g/l	20 °C		
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.			Soluble in: hydrofluoric acid
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			
Hardness	5 - 6		mohs	

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product itself does not burn. The product is chemically stable under recommended conditions of storage, use and temperature. This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

Natural complex silicate, mainly consisting of silicon dioxide (SiO₂) and several chemically bound elements / dioxides.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed. Reactions with hydrofluoric acid

10.4. Conditions to avoid

not relevant

10.5. Incompatible materials

not relevant

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Reactions with hydrofluoric acid

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SAFETY DATA SHEET

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

Revision date: 14-Mar-2019

Print date: 03-Apr-2019

Version: 1

Page 5/7



Plurabims Mittel

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

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.

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.

Additional information:

No data available

SECTION 12: Ecological information

12.1. Toxicity

Assessment/classification:

The product is non-toxic, has no toxic properties and does not cause narcotic reactions.

12.2. Persistence and degradability

Biodegradation:

Magmatic effusive rock, not biodegradable.

12.3. Bioaccumulative potential

Accumulation / Evaluation:

Pumice stone products are used in ecology under environmentally friendly natural products.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

This mixture contains no substances that are persistent, bioaccumulating and toxic (PBT).

12.6. Other adverse effects

No further relevant information available.

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SAFETY DATA SHEET

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

Revision date: 14-Mar-2019

Print date: 03-Apr-2019

Version: 1

Page 6/7



Plurabims Mittel

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

Dispose of contents/container to an appropriate recycling or disposal facility.

Appropriate disposal / Package:

Recycling is preferable to disposal.

13.2. Additional information

No further relevant information available.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

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

not relevant

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Restrictions of occupation

not relevant

Störfallverordnung

for substances contained in the product:

not relevant

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SAFETY DATA SHEET

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

Revision date: 14-Mar-2019

Print date: 03-Apr-2019

Version: 1

Page 7/7



Plurabims Mittel

Water hazard class (WGK)

WGK:

nwg - nicht wassergefährdend

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

No data available

16.6. Training advice

No data available

16.7. Additional information

The information is based on the current state of our knowledge, but they do not constitute an assurance of product properties and do not establish a contractual relationship.

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