

1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier Trade name POLIVEST, POLITERM SPEED , UNIVECAST, POLIPRESS
1.2	Relevant identifier uses of the substance or mixture and uses advised against Recommended use Auxiliary for dental technology
1.3	Details of the supplier of the Safety Data Sheet Manufacturer/supplier Polident d.o.o., Dental Products Industry Volčja Draga 42, 5293 Volčja Draga, Slovenija Tel.:00386 5 3304840, Fax: 00386 5 3304870 E-mail: polident@polident.si Information provided by 00386 5 3304859
1.4	Emergency telephone number 00386 5 3304840
2.	HAZARDS IDENTIFICATION
2.1	Classification of the substance or mixture Mixture Classification according to Regulation (EC) No. 1272/2008 STOT RE1 H372 Causes damage to organs through prolonged or repeated exposure by inhalation.
2.2	Label elements Labelling according to Regulation (EC) No. 1272/2008 Hazard pictogram  GHS08 Signal word Danger Hazard Statements H372 Causes damage to organs through prolonged or repeated exposure by inhalation. Precautionary statements P260 Do not breathe dust. P285 In case of inadequate ventilation wear respiratory protection. P501 Dispose of contents/containers in accordance with local regulation.
2.3	Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.
3.	COMPOSITION/INFORMATION ON INGREDIENTS
3.2	Chemical characterization: Mixtures

SAFETY DATA SHEET
according to regulation 1907/2006/EC
POLIVEST, POLITERM SPEED,
UNIVECAST, POLIPRESS

Composition:

Identification	CAS / EINECS	%	(ES) 1272/2008 (CLP)
Quartz	14808-60-7 / 238-878-4	30-70	STOT RE1 H372
Cristobalite	14464-46-1 / 238-455-4	10-30	STOT RE2 H373

See Section 16 for full text of GHS Classifications.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

Never induce swallowing by an unconscious person.

Inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Call a doctor immediately.

Skin contact

In case of contact with skin wash off with water.

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

Ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE – FIGHTING MEASURES

Non-flammable.

5.1 Extinguishing media

Suitable extinguishing media

Any means suitable for extinguishing surrounding fire (carbon dioxide, extinguishing powder, water spray jet, Foam).

Unsuitable extinguishing media for safety reasons

High power water jet.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust. Use appropriate respiratory protection.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up mechanically. Avoid raising dust. When picked up, treat material as prescribed under Section 13.

6.4 Reference to other sections

No data available.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.

Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing

and protective equipment before entering eating areas.

Information on fire and explosion protection

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Keep only in the original container. Protect against humidity.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

8.1 Control parameters

- Slovenia

	CAS	EINECS	8h TWA Respirable dust (mg/m ³):
Quartz	14808-60-7	238-878-4	0,15
Cristobalite	14464-46-1	238-455-4	0,15

- Austria

	CAS	EINECS	8h TWA Respirable dust (mg/m ³):
Quartz	14808-60-7	238-878-4	0,15
Cristobalite	14464-46-1	238-455-4	0,15

- France

	CAS	EINECS	8h TWA Respirable dust (mg/m ³):
Quartz	14808-60-7	238-878-4	0,1
Cristobalite	14464-46-1	238-455-4	0,05

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

8.2.2 Personal protective equipment

Eye/face protection

Safety glasses with side protection shield (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection of an approved type (FFP2 or FFP3) for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form: Powder

Colour: White

Odour: Not relevant

pH – value: 5-7 (80% water)

Changes in condition: /

Melting point (°C): No data available.

Boiling point (°C): No data available.

Flash point (°C): No data available.

Relative evaporation rate (Ether=1): No data available.

Flammability (solid, gas): No data available.

Auto Ignition temperature(°C): No data available.

Decomposition temperature (°C): No data available.

Lower explosion limit (%vv/v): No data available.

Upper explosion limit (%vv/v): No data available.

Vapour pressure (Pa): No data available.

Vapour density (Air=1): No data available.

Bulk density (g/cm³): 1.2-1.5 (21°C)

Viscosity (mPas): No data available.

Solubility in water: No data available.

Solubility (quantitative): No data available.

Partition coefficient (n-Octanol/water): No data available.

Explosive properties: Not applicable

Oxidising properties: Not applicable

9.2 Other information

This product is hygroscopic. Product hardens with the addition of water.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

This mixture is stable under normal handling and storage conditions, listed in section 7.

10.3 Possibility of hazardous reactions

None, if handled according to order.

10.4 Conditions to avoid

Protect from humid air and water.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

Under normal heating of the hardened ground-mass in the pre-heat furnace ammonia is released with a concentration of 1 percent by weight. Provide ventilation to exhaust vapours and conduct them directly to the outside.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious damage to eyes/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicant

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Contact with the skin and eyes may cause mechanical irritation. Inhalation of dusts may irritate the respiratory tract. Can cause silicosis.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish (acute)

No data available.

Toxicity to fish (chronic)

No data available.

Toxicity to Daphnia (acute)

No data available.

Toxicity to Daphnia (chronic)

No data available.

Toxicity to algae (acute)

No data available.

Toxicity to algae (chronic)

No data available.

Bacteria toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

PBT: Not relevant.

vPvB: Not relevant.

12.6 Other adverse effects

No data available.

12.7 Other information

Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Do not pour into drains or waterways. Disposal should be made in accordance with local, state and national legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14. TRANSPORT INFORMATION

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI/IATA

The product is not subject to ICAO-TI/IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

No data available.

14.6 Special precautions for user

No data available.

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

Not relevant.

15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

- REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

- Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

- Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical Safety Assessment

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

16. OTHER INFORMATION

- Abbreviations

DNEL – Derived No-Effect Level

PNEC – Predicted No-Effect Concentration

ADR – European agreement concerning the international carriage of dangerous goods by Road

IMDG – International Maritime Dangerous Goods

IATA – International Air Transport Association

ICAO – International Civil Aviation Organisation

RID – Regulations concerning the International carriage of Dangerous goods by rail

PBT – Persistent, bioaccumulable and toxic

vPvB – Very persistent, very bioaccumulable

SVHC – Substances of very high concern

- Relevant hazard statements

H372 Causes damage to organs through prolonged or repeated exposure by inhalation.

H373 May cause damage to organs through prolonged or repeated exposure by inhalation.

SAFETY DATA SHEET
according to regulation 1907/2006/EC
POLIVEST, POLITERM SPEED,
UNIVECAST, POLIPRESS

- Further information

This information is based on our present knowledge and experience. They are intended as a description of the products safety requirements and are not to be seen as a guarantee of certain product's features. The mixture must not be used for other uses then those specified in Section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulatinons.

New versions of Safety Data Sheet will be *laying printed* for the data compared to the previous version altered.

Pripravil: Dejan Kolšek

Pregledal: Janja Lipušček

Odobril: Janja Lipušček