

according to 1907/2006/EC, Article 31

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**Gypsum bound dental investment****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Trade name:** Marmovest G, Vesto, Neo Palla  
Gypsum bound dental investment

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

**Relevant identified uses:** Manufacture of dental prosthesis  
**Uses advised against:** No relevant information available.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:** SILADENT Dr. Böhme & Schöps GmbH  
**Street / mailbox:** Im Klei 26  
**Country code. / postal code / city:** DE - 38644 Goslar  
**Phone:** +49 (0) 53 21 / 37 79 - 0  
**Fax:** +49 (0) 53 21 / 38 96 32  
**E-mail / Website:** [info@siladent.de](mailto:info@siladent.de) / [www.siladent.de](http://www.siladent.de)  
**Further information obtainable from:** SILADENT Dr. Böhme & Schöps GmbH

**1.4 Emergency telephone number**

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (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:**  
**STOT RE 1 H372:** Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008:** The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**

GHS08

**Signal word:** Danger

**Hazard-determining components of labelling:** Quartz (SiO<sub>2</sub>)  
Cristobalite powder

**Hazard statements:**

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

**Precautionary statements:**

P260 Do not breathe dust/fumes/gas/mist/vapours/spray.

**2.3 Other hazards:****Results of PBT and vPvB assessment:**

PBT: Not applicable.  
vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients**

**Chemical characterization:** Mixtures (hazardous substances)



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CAS: 14808-60-7 EINECS: 238-878-4	Quartz powder (SiO <sub>2</sub> ), 99%	STOT RE 1, H372	50-70%
CAS: 14464-46-1 EINECS: 238-455-4	Cristobalite		15-25%

**SECTION 4: First aid measures****4.1 Description of first aid measures:****After inhalation:**

Supply fresh air and seek medical advice.

**After skin contact:**

Wash off immediately with water and soap, rinse thoroughly.

**After eye contact:**

Rinse out immediately and consult a doctor.

**After swallowing:**

Rinse out the mouth and 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.

**SECTION 5: Firefighting measures****5.1 Extinguishing media:****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.**5.2 Special hazards arising from the substance or mixture:**

Formation of hazardous gases is possible if heated or in case of fire.

**5.3 Advice for firefighters  
Protective equipment:**

No special measures required.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**Avoid formation of dust.  
Wear respiratory protection.**6.2 Environmental precautions:**

No special measures required.

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

Pick up mechanically. Dispose of or recycle in suitable containers.

**6.4 Reference to other sections:**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****7.1 Precautions for safe handling:**

Exhaust air must be treated by a separator / stripper or lead over filters before being released to the environment.

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

No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities:****Requirements to be met by storerooms**

No special measures required.

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and receptacles:

7.3 Specific end use(s): No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

8.1 Control parameters:

8.2 Ingredients with limit values that require monitoring at the workplace:

8.3	<b>14808-60-7 Quartz powder (SiO<sub>2</sub>), 99 %</b>	
	MAK	0,15 A mg/m <sup>3</sup> 24; Y; DFG
	<b>14464-46-1 Cristobalite</b>	
	MAK	0,15 A mg/m <sup>3</sup> 24; DFG

**Additional information:** The lists valid during the making were used as basis.

**Exposure controls:**  
**Personal protective equipment:**  
**General protective and hygienic measures:** Keep away from food, drink and foodstuffs. Wash hands before breaks and at the end of work.

**Respiratory protection:** Suitable respiratory protective device recommended. Filter P1. Recommended filter device for short-term use P2 (FFP EN 149:2001) / P3 (FFP 3 EN 149:2001).

**Protection of hands:** Not necessary. For permanent use hand gloves of the following material are suitable: natural rubber.

**Eye protection:** Not necessarily needed.

**Body protection:** Light protective clothing.

**SECTION 9: Physical and chemical properties**

9.1 Form: powder  
 Colour: white  
 Odour: odourless  
 Odour threshold: Not determined.

9.2 Further information: No further information available.

**SECTION 10: Stability and reactivity**

10.2 Chemical stability  
 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No hazardous reactions known.

10.4 Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

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**Gypsum bound dental investment****Hazardous decomposition products:** Ammonia.**SECTION 11: Toxicological information****11.1 Information on toxicological effects:****Primary irritant effect:****on the skin:**

No irritating effect.

**on the eye:**

No irritating effect.

**Sensitization:**

No data available.

**SECTION 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):**

The product may not be released into the environment.

Slightly hazardous for water.

**12.5 Results of PBT and vPvB assessment:****PBT: Not applicable.****vPvB: Not applicable.****Other adverse effects:**

No further relevant information available.

**SECTION 13: Disposal considerations****13.1 Recommendation:**

Do not dispose of with the household rubbish. Do not allow entrance into the sewage water system.

**European waste catalogue  
180106:**

Chemicals consisting of or containing dangerous substances.

**Uncleaned packaging:**

Dispose unclean packages the same way as the product.

**SECTION 14: Transport information****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, ADN, IMDG, IATA:**

Void.

**14.4 Packing group:****ADR, IMDG, IATA:**

Void.

**14.5 Environmental hazards:**

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**Marine pollutant:** No.

**14.6 Special precautions for user:** Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

**SECTION 15: Regulatory information**

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

**Classification according to Industrial safety regulations (BetrSichV):** -

**Water hazard class (VwVwS):** WGK1: Slightly hazardous.

**Other regulations, restrictions and prohibitions:**

According to TRGS 906 the handling with alveolar dusts, which contain crystalline silica in form of quartz and cristobalite, counts as carcinogenic workings. If working below the in section 8 described workplace-related limit values it is assumed that no higher health risk is given.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

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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.

**Relevant phrases:**

H372: Causes damage to organs through prolonged or repeated exposure.