

EG-MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Date of issue: 01.06.2015

Revision date: 12.08.2022

Version: 05

Gypsum bound dental investment



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Printing date: 07.12.2022

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 / 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 (SiO₂)
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 ₂), 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:** CO₂, 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:**

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Requirements to be met by storerooms and receptacles:

No special measures required.

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	14808-60-7 Quartz powder (SiO₂), 99 %	
	MAK	0,15 A mg/m ³ 24; Y; DFG
	14464-46-1 Cristobalite	
	MAK	0,15 A mg/m ³ 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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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:

The product may not be released into the environment.

**Water hazard class 1 (German Regulation)
(Self-assessment):**

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.

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14.5 Environmental hazards:

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

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

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.