

1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Rapicast Non Precious Investment Powder, Matchmaker PR
Investment Powder

Product Code: 0198, 0307

Application: Investment for dental casting

Company: Davis Schottlander & Davis Ltd
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2. HAZARD IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EV) No. 1272/2008

STOT RE 1 H372: Causes damage to organs through prolonged or repeated exposure.

Label elements:



Signal word: Danger

Hazard-determining components of labelling: Quartz, Cristobalite flour

Hazard statements:

H372 Causes damage to organs through prolonged repeated exposure

Precautionary statements:

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

Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: Mixture

Dangerous components:

CAS: 14808-60-7 EINECS: 238-878-4	Quartz flour, 99%	STOT RE 1, H372	25-50%
CAS: 14464-46-1 EINECS: 238-455-4	Cristobalite		25-50%
CAS: 1309-48-4 EINECS: 215-171-9	Magnesium oxide		5-10%

4. FIRST AID MEASURES

After inhalation: Supply fresh air and seek medical advice.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Immediately rinse with water and seek medical advice.
After swallowing: Rinse out mouth and drink plenty of water afterwards.
Most important symptoms and effects both acute and delayed:
 No further relevant information available.
Indication of any immediate medical attention and special treatment needed:
 No further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:
 CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards arising from the substance or mixture:
 During heating or in case of fire formations of toxic gases are possible.
Advice for fire-fighters – Special Protective equipment:
 No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions: Avoid formation of dust. If exposed to vapour/dust/aerosols use respiratory protective device.
Measures for environmental protection: No special measures required.
Measures for cleaning/collecting: Pick up mechanically. Use suitable containers for transporting the product to disposal or recycling.
Reference to other sections:
 Information for safe handling see Section 7.
 Information for personal protective equipment see Section 8.
 Information for disposal see Section 13.

7. HANDLING AND STORAGE

Handling
Information for safe handling:
 Discharge exhaust air into the atmosphere only over suitable separators.
Information and measures about fire and explosion protections:
 No special measures required.
Storage
Information about storing in one common storage facility:
 Not required.
Requirements to be met by storerooms and receptacles:
 No special requirements.
Specific end user(s):
 No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters
 Ingredients with limit values that require monitoring at the workplace.

14808-60-7 Quartz flour, 99%

MAK	0,15 A mg/m ³ 24; Y; DFG
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14464-46-1 Cristobalite

MAK	0,15 A mg/m ³ 24; DFG
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1309-48-4 Magnesium oxide

MAK	6 A mg/m ³ *Rauch; (DGF)
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Additional information:	The lists valid during the making were used as basis.
Exposure control	
Personal protective equipment:	Keep away from foodstuffs, beverages and feed.
General protective & hygienic measures:	Wash hands before breaks and at the end of work.
Respiratory protection:	Respiratory protective device, filter P1. Recommended filter for short-term use: P2 (FFP 2 EN 149:2001), P3 (FFP 3 EN 149:2001).
Protection of hands:	Not required.
Material of gloves suitable for long-term Use:	Natural rubber (latex).
Eye protection:	Not generally required.
Body protection:	Light protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**General information:**

Form:	Powder.
Colour:	White.
Odour:	Odourless.
Odour threshold:	Not determined.
Other information:	No further relevant information available.

10. STABILITY AND REACTIVITY**Thermal decomposition/conditions to be avoided:**

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

Ammoniac

11. TOXICOLOGY INFORMATION**Information on toxicological effects for mixtures:**

On the skin:	No irritating effects known.
On the eye:	No irritating effects known.
Sensitisation:	No sensitising effects known.

12. ECOLOGICAL INFORMATION**Toxicity**

Aquatic toxicity:	No further relevant information available
Persistence and degradability:	No further relevant information available
Bioaccumulative potential:	No further relevant information available
Mobility in soil:	No further relevant information available

Additional ecological information

General notes:	Do not allow product to reach ground water, water course or sewage system. Water hazard class 1 (German)
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Regulation): slightly hazardous for water.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.
Other harmful effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Product recommendation:

Must not be disposed together with the household waste. Do not allow product to reach sewage system.

European waste catalogue 18 01 06:

Chemicals consisting of or containing dangerous substances.

Uncleaned packaging recommendation:

Containers which are not cleanable have to be disposed of like the substance.

14. TRANSPORT INFORMATION

UN-Number	
ADR, AND, IMDG, IATA	Not applicable
UN proper shipping name	
ADR, AND, IMDG, IATA	Not applicable
Transport hazard class	
ADR, AND, IMDG, IATA	Not applicable
Packaging group	
ADR, AND, IMDG, IATA	Not applicable
Environmental hazards	
Marine pollutant:	No
Special precautions for user:	Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code:	Not applicable

15. REGULATORY INFORMATION

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

National Regulations

Classification according to the Ordinance on Industrial Safety and Health:

Water hazard class: 1 – Slightly hazardous to waters.

Further regulations, limitations and legal requirements:

Germany: According to TRGS 906 the handling with alveolar dusts, which contain silicon dioxide in form of Quartz and Cristobalite counts as carcinogenic activity. If used under the limit values of the workplace mentioned in Section 8 it can be assumed that no higher health risk is given.

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

16. FURTHER INFORMATION

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.