

## Safety Data

Trade name: **Bellatherm**

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- 1.1 Chemical characterization: 80% quartz (CAS 14808-60-7)  
5.5% monogammoniumdihydrogen phosphate (CAS 7788-76-1)  
11% magnesium oxide (CAS 778-76-11)  
3.5% aluminum oxide (CAS 1332-58-2)

1.2 Form 1.3 powder Color: 1.4 white Smell: none

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### 2. Physical and Safety Data N/A

Checked according to:

2.1 Change of condition

2.2 Density

Bulk density approx 1.200 kg/m<sup>3</sup>

2.3 Vapor pressure

2.4 Viscosity

2.5 Solubility in water hygroscopic absorbs water and hardens like  
plaster

2.6 pH Value (at g/1H<sub>2</sub>O) neutral

2.7 Flash point

2.8 Ignition temperature

2.9 Explosion limits lower: upper:

2.10 Thermal decomposition 2.11 Hazardous decomposition

2.12 Hazardous reactions N/A

2.13 Further data When preheating the bound investment material approx. 1 mass % of ammonia, MAK value 35 mg/m<sup>3</sup> is produced. Extract vapor and transmit into open air.

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3. Transport	GGVSee/IMDG Code:	UN-Nr:	ICAO/IATA-DGR:
	GGVE/GGVS:	RID/ADR:	ADNR:
Other data	No dangerous goods		

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4. Regulations: No duty to mark according to regulations for dangerous goods. The powder contains quartzous fine dust, Mak- value 4,0 mg/m<sup>3</sup> is produced. Extract vapor into open air.

Danger Safety Advice: **R 20 Hazardous** when inhaling  
**S 22** Do not inhale the dust.

TRgA508 - silicogenous dust and VGB119 – protection against harmful mineral dust are applicable.

## Bellatherm

5. Protective measures, storage and handling
- 5.1 Technical protective measures  
Rinse empty bags with water to bind remaining dusts  
Avoid dust, rinse empty bags with water to bind remaining dusts,  
extract dust when it comes up.
- 5.2 Personal protective equipment      Inhalation protection:      Eye protection:  
Hand protection:      Others:
- 5.3 Occupational hygiene      After work wash hands regularly with water and soap.  
Clean working clothes regularly.
- 5.4 Fire/explosion protection
- 5.5 Disposal      Can be disposed together with domestic waste, observing local authorities regulations.

6. Measures in case of accident and fire
- 6.1 After spillage/leakage/gas leakage  
Pick up mechanically , wipe surfaces with wet cloth.
- 6.2 Extinguishing media      Suitable:  
not suitable:
- 6.3 First aid
- 6.4 Further data

- Toxicological data      Toxicological characteristics are not known. Investment material contains  
crystalline silicic acid in fine dust. The dust is silicogenous and can

- Ecological Data According to the due reaction in water after heating up, the material consists of quartz, cristobalite and magnesium phosphate. Effects that are harmful for the environment are not known. \  
Water endangering class (self classification)      not dangerous for water.

9. Further

The above describes our product with reference to possible safety requirements in accordance with our present level of knowledge. They do not include any property guarantees.