

Safety Data

Trade name: **WIROPLUS S**

1.1 Chemical characterization:

77% quartz (CAS 14808-60-7) **9% monoammoniumdihydrogenphosphate (CAS 7788-76-1)**

14% magnesium oxide (CAS 1309-48-4)

1.2 Form 1.3 **powder** Color: 1.4 **white** Smell: none

2. Physical and Safety Data

Checked according to:

2.1 Change of condition not applicable

2.2 Density Bulk density: approx. 1200 kg/m³

2.3 Vapor pressure

2.4 Viscosity

2.5 Solubility in water **hygroscopic, absorbs in water**

2.6 pH Value **(at hardens like g/l plaster, 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

2.13 Further data : **When preheating the bound investment material approx. 1 mass-% of ammonia, MAK-value 35mg/m³ is produced, extract vapor and transmit into open air.**

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

- Regulations: **No duty to mark according to regulations for dangerous goods. the powder contains quartzous fine dust, MAK-value 4.0 mg/m³.**

observe

Danger: R 20 Hazardous when inhaling

Safety advice: S 22 Do not inhale the dust

TRgA508-silicogenous dust and VGB119-protection against harmful mineral dust are

WIROPLUS S

5. Protective measures, storage and handling

5.1 Technical protective measures

avoid dust, rinse empty bags with water to bind remaining dusts. Extract dust where it comes up and dispose harmlessly

5.2 Personal protective equipment Inhalation protection: **Extraction** Eye protection:
Hand protection: Others:

5.3 Occupational hygiene

5.4 Fire/explosion protection:

After work wash hands thoroughly with water and soap. Do not inhale dust, clean clothes regularly

5.5 Disposal no special prescriptions **Can be disposed together with domestic waste by observing regulations of local authorities.**

6. Measures in case of accident and fire

6.1 After spillage/leakage/gas leakage
take up mechanically, wipe surfaces with wet cloth

6.2 Extinguishing media Suitable:
not suitable

6.3 First aid

6.4 Further data

- Toxicological data: **toxic characteristics are not known, investment materials contain crystalline acid in fine dust. The dust is silicogenous and cause silicosis when it is inhaled regularly.**

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

9. Further Information

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.