

**PHYSICAL AND CHEMICAL PROPERTIES**

**1. Chemical composition**

chemical composition	%	CAS	EC Number	IUPAC name
SiO <sub>2</sub>	74.5-75.5	7631-86-9	231-545-4	silicon dioxide
Al <sub>2</sub> O <sub>3</sub>	12.8-13.2	1344-28-1	215-691-6	aluminium oxide
K <sub>2</sub> O	4.4-4.6	12136-45-7	235-227-6	potassium oxide
Na <sub>2</sub> O	3.8-4.2	1313-59-3	215-208-9	sodium oxide
Fe <sub>2</sub> O <sub>3</sub>	0.5-0.7	1309-37-1	215-168-2	iron(III) oxide
CaO	0.5-0.6	1305-78-8	215-138-9	calcium oxide
TiO <sub>2</sub>	0.1-0.2	13463-67-7	236-675-5	titanium dioxide

The chemical composition of granular products (wt.%) is lower.

**2. PHYSICAL AND CHEMICAL PROPERTIES**

Color, shape	White, granules - various fractions
Odor, physical state	Odorless, solid - stable
Bulk density	230-400 kg/m <sup>3</sup>
Melting point, flash point	700-800 °C, undetermined
ph (8% solution)	7,2
Loss on Ignition (LOI)	at 950 °C
Flammability	Not determined - non-flammable

**3. STABILITY AND SPEED RESPONSE**

Chemical stability	The material is stable
Physical hazards	Reactive material
Material which cannot be combined with	Hydrofluoric acid
Conditions causing hazardous changes	Not applicable

**3. TOXICOLOGICAL INFORMATION**

The product is non-toxic and safe, radiation-free.

**4. ENVIRONMENTAL INFORMATION**

The product is generally considered chemically inert and environmentally friendly.

**5. WASTE DISPOSAL**

If the material has become unusable, use the solid waste or solution disposal method. Avoid generating dust.

**6. TRANSPORTATION**

The material can be transported by air, water and land.

**7. REGULATORY INFORMATION**

standard EN	EN 13055-2:2004
Regulation (EU)	Regulation (EU) No 305/2011 Construction products System 4 EN 13055 Regulation (EC) No 1907/2006 Registration

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