

Characteristics of Boiling Stones Type A Product: 001

These boiling stones are made from a natural material.

So the composition always differs a bit.

The essential part is quartz, a smaller amount feldspar, chlorite and alkaline silicates, the least amount is calcite.

Specification of Substances:

Quartz	about 25-30%
Feldspar	about 25-30%
Clasts	about 25-30%

Characteristics of Boiling Stones Type B Product: 002

Specification of Substances:

Chemical Characterization:

Silica based bulk material with

< 15 % Aluminium oxide and other Oxides

<u>Description</u>	<u>Characteristics</u>	<u>Risk No.</u>
Kieselgur heat-treated	< 20 %	R 20
Crystalline silicic acid (Cristobalite)	< 15 %	R 20
Silica glass, Silicon Dioxide	< 20 %	R 20

The remaining materials consist of amorphous glass and aluminium compounds.

Physical and chemical characteristics

Form:	crushed stones
Colour:	white
Odour:	odourless
Melting point/Melting range:	softening from ca. 800° C
Boiling point/Boiling range:	n.a.
Flash point:	incombustible
Flammability (solid, gas):	incombustible
Explosion danger:	none
Bulk weight :	800g/l
Solubility in/Miscibility with water:	< 2 %
Liposolubility:	n.a.
pH-value – 10 % aqueous solution:	6,0-8,0

Characteristics of Boiling Stones Type RESISTANT Product: 003

Specification of Substances:

Siliciumcarbid SiC 90 – 99%

SiC 98 %

SiO₂ 0,4%

SiO 0,4%

C-free 0,3%

This data sheet is based on the current state of knowledge and experience and is intended to describe the product. This sheet does not constitute a guarantee of characteristics of the described product.

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