



# Technical Data Sheet

## CH199 - Info

<b>Color shade</b>	Colorless
<b>Application</b>	Lead*-free, low-melting frit for ceramic bonds of grinding wheels and for alkali glazes
<b>Storage</b>	Frits should be stored in a dry place. Partly used tins must be tightly sealed after use.
<b>Environment</b>	Waste material treatment, environmental health and safety protection has to follow the local regulations and legislation.

### Chemical characteristics:

Chemical character	Na <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub>
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### Physical characteristics:

Lin. coeff. of thermal expansion [10-7/K]	85
Transformation temperature [°C]	514
Softening temperature [°C]	685
Softening intervall [K]	95
Half ball temperature [°C]	780
Form	Powder
Density [g/cm <sup>3</sup> ]	2,4
Fineness	F max. 3 % > 63 µm -- mesh D90 ~ 40 µm D50 ~ -- µm
Grain typ	--
Grain [mm]	--

### Firing conditions:

Firing range [°C]	--
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Comment *	Substance is not part of the recipe. No routine tests regarding impurities of this substance.
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