



TECHNICAL DATA SHEET

Zubora TKG

Fully synthetic, boron-free, water-soluble cooling lubricant especially for grinding

PRODUCT DESCRIPTION

- + clear water-soluble cooling lubricant with low foaming tendency
- + free of mineral oil
- + on the basis of fully synthetic anionic and non-ionic lubricating components as well as high-effective corrosion inhibitors
- + mixed with tap water, it becomes a clear solution which enables a good observation of the grinding process
- + free of formaldehyde releasers

As the product does not contain any secondary amines, there is no risk of formation of nitrosamines according to the current state of knowledge.

Furthermore, **Zubora TKG** is inhibited against the formation of nitrosamines, i.e. if there are secondary amines and nitrite due to foreign carry-over e.g., no stable N-nitrosamines can be formed. Therefore, when exceeding the limit value for nitrite according to TRGS 611 a partial or complete change of the working solution is not necessary.

CHARACTERISTICS

Colour / DIN ISO 2049	1.5
Density/15°C / DIN EN ISO 12185	1130 kg/m ³
Viscosity/20°C / ASTM D 7042	50 mm ² /s
pH-value (3 % in H ₂ O) / DIN 51 369	9.2
Cast iron chips test (1:20) / DIN 51 360/T2	Corrosion degree 0

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Water hazard class, concentrate	2
Water hazard class, emulsion	(< 74 %) 1

APPLICATION

Zubora TKG is used as coolant solution especially for grinding cast iron, hardened- and tempering steel, free cutting steel and non-ferrous heavy metals.

The product was developed especially for use in rolling mills. It is suitable for grinding of the rollers of both - cold forming as well as hot forming.

Additionally, it can also be used for easy cutting operations as e.g. turning, milling and drilling without any problems.

Zubora TKG can also be used when the worked parts are cleaned by solvent cleaners afterwards.

WORKING CONCENTRATION

Grinding 2.5 to 3.5 % (depending on the working material)
Metal cutting 3.5 to 7 %

STORAGE

Recommended storage temperature: +5 °C up to max. +40 °C.

Benefit from our service, we will gladly advise you and develop individual application recommendations for your process. Please also note the material safety data sheet.

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