



TECHNICAL DATA SHEET

Zubora TLG

PRODUCT DESCRIPTION

- + clear water-soluble cooling lubricant with low foaming tendency
- + free of mineral oil
- + free of boron
- + free of formaldehyde releasers
- + 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
- + REACH-compliant substances
- + resistance of plastics as well as of paints and coatings according to VDI 3035

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 TLG** 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

Density/15°C / DIN EN ISO 12185	1070 kg/m ³
Viscosity/20°C / ASTM D 7042	55 mm ² /s
pH-value (3 % in H ₂ O) / DIN 51 369	9.6
Cast iron chips test (1:20) / DIN 51 360/T2	Corrosion degree 0
Water hazard class, concentrate	2

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Water hazard class, emulsion

(< 16,6 %) 1

APPLICATION

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

Additionally, it can also be used for easy up to medium difficult cutting operations as e.g. turning, milling and drilling without any problems. Furthermore, **Zubora TLG** is suitable for grinding and milling of glass, ceramic and quartz.

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

Recommended hardness of the preparation water:

4 to 20° dH.

WORKING CONCENTRATION

Grinding from 4 %
Metal cutting 3.5 to 7 %

STORAGE

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

MISCELLANEOUS

This product is dermatologically tested. An Epicutan-test confirms the good skin compatibility. We will send you the test certificate on request.

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If there are increased demands on **corrosion protection**, e. g. for external transport, we recommend our anti-corrosion agents containing hydrocarbons (**Multicor dewatering fluids**). They are optimally adapted to our water-miscible cooling lubricants.

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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