



TECHNICAL DATA SHEET

Zubora THG

Fully synthetic, water-soluble, boron- and amine-free cooling lubricant for the grinding of hard metals

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
- + amine-free
- + mixed with tap water it becomes a clear solution which enables a good observance of the grinding process
- + free of formaldehyde separating preservative agents

As this product does not contain any amines the formation of nitrosamines from the ingredients of this product is excluded.

CHARACTERISTICS

| | |
|---|------------------------|
| Density/15°C / DIN EN ISO 12185 | 1120 kg/m ³ |
| Viscosity/20°C / ASTM D 7042 | 50 mm ² /s |
| pH-value (3 % in H ₂ O) / DIN 51 369 | 9.0 |
| Cast iron chips test (1:20) / DIN 51 360/T2 | Corrosion degree 0 |
| Water hazard class, concentrate | 2 |
| Water hazard class, emulsion | (< 11,1 %) 1 |

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APPLICATION

Zubora THG is used for grinding hard metal.

The main advantages of **Zubora THG** are - besides good corrosion protection - the excellent sedimentation characteristics and the prevention of cobalt release.

Depending on the loading of the product, it may be possible that the inhibition against cobalt release has to be refreshed. If the cobalt content in the **Zubora THG** solution is higher than 10 - 30 ppm, 0.1% Spezialinhibitor THS has to be added.

For central systems we recommend regular checking of the inhibitor content of the **Zubora THG** solution - after consulting our technical service.

WORKING CONCENTRATION

2.5 to 5 %

STORAGE

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

MISCELLANEOUS

This product is dermatologically tested. TEWL (transepidermal loss of water) confirms good skin compatibility. We will send you the test certificate on request.

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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