

Technical Data Sheet



Syngrind BF

High performance, long service life water-mix synthetic grinding fluid.

Chlorine-free, Boron-free and secondary amine. Absolutely no tacky residues.

Syngrind BF is a synthetic long-life watermix grinding fluid with excellent corrosion protection and cleanliness.

Key Benefits

- High Performance
- Long Sump Life
- Improved Wheel Life
- Highly Stable Solution
- Low Irritant
- Operator Friendly
- Excellent Corrosion Protection
- Very Low Foaming
- No Sticky Deposits
- Less Product Loss due to Draw-Out

Emulsion Type

- Transparent
- Zero Oil Content
- Special additives to enhance performance

Compatibility

- Low to medium tensile steels.
- Cast iron
- Brass
- Titanium alloys
- Plastics

Typical Applications

- | | |
|------------------------|------|
| • Grinding cylindrical | 2-3% |
| • Surface | 2-3% |
| • Centre-less | 3-5% |
| • Creep-feed | 4-6% |

General Compatibility

- Waters from 30ppm to 300ppm (Calcium hardness)
- Low foaming tendency
- Suitable for high pressure applications
- Suitable for low pressure applications

Typical Data

Concentrate

Appearance	Clear Yellow Fluid
Specific Gravity	1.08
Mineral Oil Content %	0

Emulsion

Appearance	Clear Yellow Fluid
pH at 5%	9.1
IP287 pass at %	2
Refractometer Factor	2.1

Health and Safety

Full health and safety data sheet is available on request.

Storage

- Store indoors
- Store between 4°C and 34°C
- Shelf life is 6 months from date of supply
- Store undercover or if outdoors on its side.

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