

Product Data Sheet



Cool10/09-1

Binol Cool 10

Binol Cool 10 is a water miscible clear grinding fluid, which provides lubricity, cooling, and corrosion protection.

The product can also be used in light duty cutting operations when cooling and good chip removal properties are required.

| | | |
|-----------------------------|----------------------|------|
| Recommended concentrations: | Grinding | 4-5% |
| | Light duty machining | 4-7% |

Physical and Chemical Data (typical)

| Analysis | Method | Unit | Results |
|-----------------------------------|--------------|--------------------|----------------------|
| Concentrate | | | |
| Viscosity at 40°C | ISO 3104 | mm ² /s | 3,6 |
| Density at 20°C | ISO 3675 | kg/m ³ | 1080 |
| pH | DIN 51 369 | | 10,3 |
| Flash Point | SIS 15 02 02 | °C | >200 |
| Boiling Point | Own | °C | approx. 100 |
| Freezing Point | Own | °C | 0 |
| Colour | Optical | | yellow/white |
| Smell | Nasal | | faint, amine related |
| Emulsion (4%) | | | |
| Appearance | Optical | | transparent |
| pH fresh mix | DIN 51 369 | | 9,4 |
| pH after 48 h | DIN 51 369 | | 9,3 |
| Refractometer index, Fresh mix | | | 2,5 |
| Refractometer index, after 1 week | | | 2,0 |

Handling

- Storage Handling and storage between +5 to +40°C
- Packaging Drums at 200 l, plastic containers at 20 l. Bulk and IBC on request.

Maintenance of the fluid

Binol Cool 10 is a concentrated fluid that has to be blended with water to a transparent liquid. For blending the emulsion, a diaphragm or ejector pump is recommended. When manual blending accurate, add the concentrate to water – not the way around!

Check the concentration at least twice a week with a refractometer to increase the sump life of the emulsion. If the concentration is too low, top up with fresh fluid. If too high, top up with for example 0,5-1% premixed emulsion – not only pure water. Regularly remove tramp oil from the surface of the tank, with e.g. a band skimmer.

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