



Product Data

Castrol[®] SYNTILO CR 68

Synthetic Carbide Grinding fluid

Description

Castrol SYNTILO CR 68 is a synthetic metalworking fluid formulated especially for the grinding of cemented tungsten carbide. SYNTILO CR 68 is a water extendable lubricant that prevents the leaching of the potentially allergenic metal, cobalt, while providing exceptional lubricity and long-term biological stability.

SYNTILO CR 68 improves the appearance and mechanical properties of the workpiece by reducing the amount of cobalt dissolution from the binder matrix of cemented carbide. The cost of waste treatment is also greatly reduced because heavy metals are not dissolved during the grinding process.

Advantages

- Free from allergy and eczema tendencies
- Low consumption rate
- Reduced waste treatment costs
- Improved workpiece properties
- Economical to use
- Good foam control
- Low residues

Characteristics

| | Unit | Test Method | Value |
|---------------------------|---------------|-------------|-------------------|
| Appearance of Concentrate | | Visual | Hazy Yellow Fluid |
| pH of Emulsion | @ 5% | CN-TM-069 | 8.9 - 9.4 |
| Specific Gravity | @ 60°F/15.6°C | ASTM D 1298 | 0.8905 - 0.8915 |
| Bulk Density | lbs/gal | | 8.79 |

Recommended Applications & Dilutions

SYNTILO CR 68 is intended for use at concentrations ranging from 2.5 - 4%, depending on the severity of the operation.

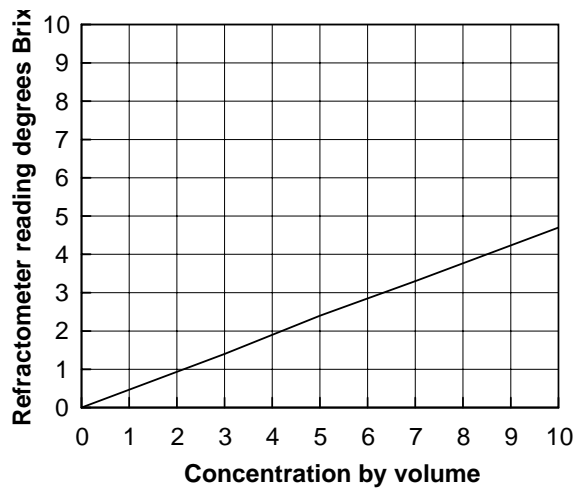
Additional Information

Concentration Control

| % Concentration | Refractometer Reading |
|-----------------|-----------------------|
| 3.0 | 1.4 |
| 5.0 | 2.4 |
| 7.0 | 3.3 |
| 10.0 | 4.7 |

The refractometer concentration chart has been prepared in dilutions using deionized (DI) or distilled water. Various refractometer and water types can have a significant effect on refractometer readings of coolant samples. It may be necessary to prepare your own chart using plant water.

* Atago Model N1 Refractometers are distributed by Castrol Industrial Inc.



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