POWEROIL SYNTHCUT 40CMS

POWEROIL SYNTHCUT 40CMS is a high quality water soluble, semi synthetic grinding fluid. This environment friendly fluid is a blend of napthenic base oils and high performance additives imparting excellent wetting characteristics, very good lubricity property and high resistance to corrosion and foam.

CHARACTERISTICS	POWEROIL SYNTHCUT 40CMS
Appearance	Clear to Mild Clear yellow to Amber fluid
Density @ 29.5 °C, gm/cc	1.004 +/- 0.02
Emulsion –Appearance	Translucent
Cast iron corrosion Test @ 5%, 200 ppm(IP 287)	No Rust
PH 5% dilution in Distilled water	9.2
Refracto meter Reading & Factor	3.6 (5.0% w/w) , Factor 1.35

The above properties are typical values and do not constitute specification of the product

APPLICATION:

- Recommended for grinding applications requiring high material removal.
- Suitable for a wide range of metal working operations of Cast Iron, MS / SS and ferrous alloys (not Magnesium) in view of its inherent superior lubricity properties.
- It has good anti-foam properties making it suitable for coolant flooding / high pressure applications.

RECOMMENED CONCENTRATION	
Application	**Concentration %**
Grinding	3 – 4
General Machining	5 – 6
Tapping	6 – 8
Deep Hole Drilling & boring	6 – 8
Reaming	8 - 10

MIXING INSTRUCTIONS:

- While mixing always add oil to water and not the reverse.
- Use good quality water. D.I water gives extended sump life as Hardness and chlorides reduce the product life and corrosion inhibition properties.
- Use clean and sterilized sump before every fresh charge.

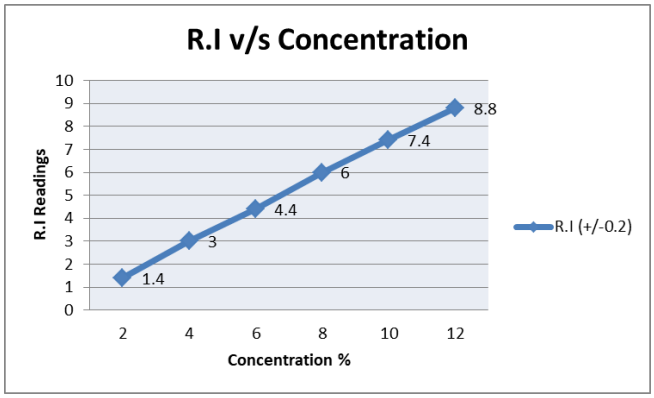
Disclaimer: APAR makes no warrantees, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the products for the application contemplated by the user is solely their responsibility. Website: www.apar.com

PERFORMANCE BENEFITS:

- Excellent wetting properties and low foam characteristics
- High resistance to bacterial attack high coolant life.
- Offers excellent rust protection of ferrous components.
- Free of Sulphur, Nitrite & Chlorine, environmentally safe.
- No heavy Metals and ROHs Complain.

ADDITIONAL INFORMATION: CONCENTRATION MONITORING

CONCENTRATION %	RI READING (+/-0.2)
2	1.4
4	3
6	4.4
8	6
10	7.4
12	8.8



Factor = Actual Concentration ÷ R.I reading
Factor = 1.35
Test R.I × Factor = Real Concentration

Disclaimer: APAR makes no warrantees, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the products for the application contemplated by the user is solely their responsibility. Website: www.apar.com