

## POWEROIL SYNTHCUT 25CG PREMIUM SEMI SYNTHETIC GRINDING FLUID

**POWEROIL SYNTHCUT 25CG** is a premium quality semi synthetic grinding fluid with excellent flushing characteristics. It has good lubricity and foam resistant properties.

CHARACTERISTICS	POWEROIL SYNTHCUT 25CG
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	9.5
Refracto meter Reading & Factor	2.8 ( 5.0% w/w ) , Factor 1.8

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

### APPLICATION:

- Specially recommended for grinding applications requiring high material removal, due to its excellent flushing capabilities.
- 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 – 5
General Machining	5 – 8

### 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.

## 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	1.1
4	2.2
6	3.3
8	4.4
10	5.6
12	6.8

Factor = Actual Concentration ÷ R.I reading

Factor = 1.8

Test R.I × Factor = Real Concentration

