

## 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

