



## POWER SYNTHCUT –25 Semi Synthetic Cutting Fluids

**POWER Synthcut –25** is a semi synthetic, environment –friendly cutting fluid that has been developed for use as a general purpose grinding and light to medium duty machining fluid for ferrous & its alloy metals. It contains special lubricity & E.P additives and rust inhibitor, which protect Ferrous components of machine tools. Power Synthcut –25 has remarkable anti-rust characteristics coupled with a high resistance to bacterial attack. This product is specially designed to offer extended sump life with better tool life

### APPLICATION:

- Power Synthcut –25 is recommended for wider range of metal working operations.
- Suitable for metal cutting & grinding of ferrous & its alloys
  - Material Compatibility
    - ✓ Cast Iron
    - ✓ Ferrous Alloys
    - ✓ Stainless steels

### PERFORMANCE BENEFITS:

- Excellent cooling and lubricating properties
- Good emulsion stability and long coolant life
- Stable emulsion even in hard water
- Offers excellent rust protection
- Reduces machine down time
- Nitrite & Chlorine free hence environmentally safe.

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# POWEROIL

## Specialty Oils & Lubricants

### Typical Physical Characteristics

CHARACTERISTICS	POWER SYNTHCUT -25
Appearance of concentrate	Clear Amber fluid
Density @ 29.5 °C	1.01
Emulsion –Appearance	Clear & Translucent
Thermal Stability Test	Passes
Cast iron corrosion Test @ 3%, 200 ppm(IP 287)	No Rust
PH 5% dilution in Distilled water	9.25
Refractometer Reading multiplication Factor	1.5

### Recommended Concentration:/Direction of use

#### • Recommended Dilutions

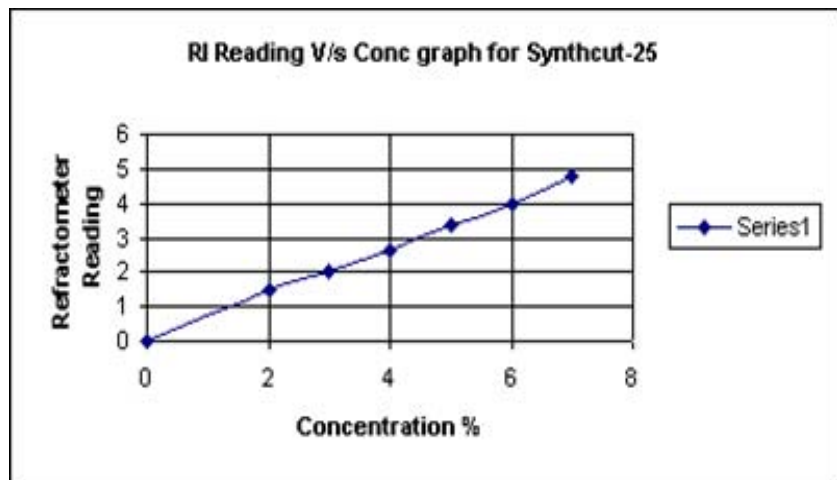
Type of Operations	Concentration %
• General Machining	• 5-6
• Tapping	• 6-8
• Deep hole drilling & boring	• 6-8
• Reaming	• 8-10
• Grinding	• 2-3

- While mixing always add oil to the water
- Use good quality water with water hardness less than 400 ppm and chloride content below 50ppm
- Use clean and sterilized sump before every fresh charge.

### Additional Information

#### Concentration monitoring

Concentration %	RI Reading
0	0
2.0	1.5
3.0	2.0
4.0	2.6
5.0	3.4
6.0	4.0
7.0	4.8



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