



## POWER SYNTHCUT –25 S

### Semi Synthetic Cutting Fluids

**POWER Synthcut –25S** is a semi synthetic, environment –friendly cutting fluid that has been developed for use as a general purpose grinding and light to heavy 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 25S 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 S 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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### Typical Physical Characteristics

CHARACTERISTICS	POWER SYNTHCUT - 25 S
Appearance of concentrate	Clear Amber fluid
Density @ 29.5 °C	0.978
Emulsion –Appearance	Translucent to off white
Thermal Stability Test	Passes
Cast iron corrosion Test @ 3%, 200 ppm(IP 287)	No Rust
PH 5% dilution in Distilled water	9.4
Refractometer Reading multiplication Factor	1.35

### Recommended Concentration:/Direction of use

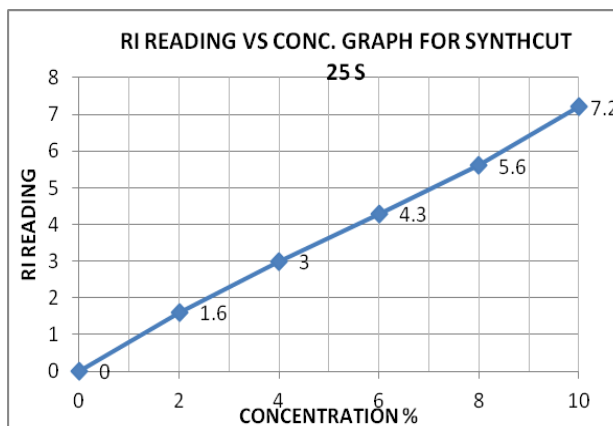
#### • Recommended Dilutions

• 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	1.6
4	3
6	4.3
8	5.6
10	7.2



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