



POWER SYNTHCUT EP 40 EP Semi-Synthetic Soluble Cutting Fluid

POWER Synthcut EP 40 is a semi synthetic type ,phenol free & Nitrite free EP Soluble cutting fluid .This product has been specially developed for tough material & Severe operations on new generation CNC machines. Power Synthcut EP 40 forms very stable clear translucent (micro emulsion) when mixed with water

Power Synthcut EP 40 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. This product is also suitable to use in centralized coolant system due to its versatility and long service life.

APPLICATION:

- Power Synthcut EP 40 is recommended for wider range of metal working operations.
- Most suitable for metal cutting & grinding of ferrous & non Ferrous materials including Copper & Aluminum and its alloys
 - Material Compatibility
 - Cast Iron
 - Ferrous Alloys
 - Stainless steels
 - Aluminum & alloys

PERFORMANCE BENEFITS:

- Excellent cooling and lubricating properties
- Suitable for wide range of materials & operations
- Good emulsion stability and long coolant life
- Stable emulsion even in hard water
- Offers excellent rust protection
- Reduces machine down time
- Nitrite & Phenol free hence environmentally safe.

Disclaimer: APAR makes no warranties, 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.



Typical Physical Characteristics

CHARACTERISTICS	POWER SYNTHCUT EP-40
Appearance of concentrate	Clear Amber fluid
Density @ 29.5 °C	0.950
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	9.5
Refractometer Reading multiplication Factor	1.0

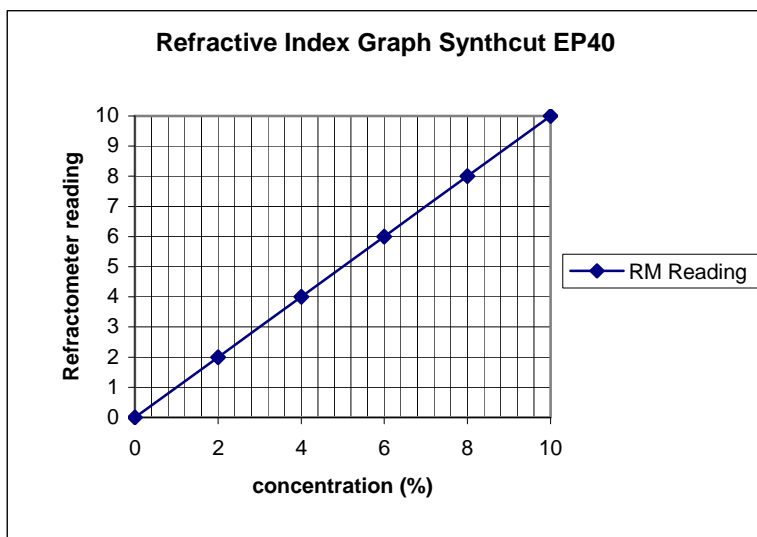
Recommended Concentration:/Direction of use

• Recommended Dilutions

Type of Operations	Concentration %
• General Machining	• 3-6%
• Tapping	• 5-10%
• Deep hole drilling & boring	• 5-10%
• Reaming	• 5-10%
• Grinding	• 2-4%

Additional Information

- 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.



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