



### POWER METCUT S-PLUS GENERAL PURPOSE SOLUBLE CUTTING OIL

**POWER METCUT S-PLUS** is high quality conventional milky emulsion type general purpose soluble cutting oil manufactured from specially selected base stocks with superior performance additive pack containing carefully chosen emulsifier, which offers very stable emulsion even in hard water. The product contains selected rust inhibitors for ensuring effective metal protection and new generation biocides to provide long emulsion life.

**PERFORMANCE STANDARDS:** BIS: 1115- 1986\*

CHARACTERISTICS	POWER METCUT S-PLUS
Appearance	Dark Brown Clear Liquid
Specific Gravity @29.5°C	0.890(T)
Kinematic Viscosity @ 40°C, cSt, min	20
Flash point, COC, °C, min	150
PH (5% Emulsion D/W)	9.0
Emulsion Stability Test (24 Hrs) At 5:1 & 20:1 ration in 400 ppm Hard water (as CaCO3)	Stable Emulsion
Thermal Stability Test (at 0 °C & 50°C	Pass
Cast iron corrosion test (IP-125)	Pass

*\* Exceeds BIS: 1115 – 1986 specs w.r.t. hard water stability.*

#### APPLICATION:

- Recommended for wide range of metal working operations on both ferrous and non-ferrous metals.
- Excellent cutting fluid for applications like turning, milling, drilling and tapping, etc.
- Suitable for use even with higher hardness of water.
- Suitable for use as pickling oil during cold rolling of steel.
- Can be recommended as general-purpose coolant.

#### PERFORMANCE BENEFITS:

- Very good cooling and lubricating characteristics
- Ensures long grinding wheel life while in use as grinding coolant
- Highly stable emulsion even in hard water
- Operator friendly
- Economical to use due to its longer sump life
- Excellent rust protection to machined components

(Version # 1 April 14<sup>th</sup> 2008)

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.