



Product Information:
FARACUT HS3
Semi-Synthetic Neat Cutting Oil

Description:

Faracut HS3 is a highly refined cutting oil with special lubricity additives to enhance cutting without the use of Chlorine, Sulphur or Phosphorus. Faracut HS3 gives excellent wetting, cooling and lubricity properties to enhance surface finishes, particularly on non-ferrous alloys, which are also protected against stain and corrosion. The low viscosity of the product gives improved heat transfer away from the cutting zone and hence reduces temperature at the point of cut.

Features:

- Excellent for Machining Magnesium Alloys
- Superior Heat Transfer Qualities
- For High Speed Routing and Turning Aluminium Alloys
- First Class Medium for Grinding Carbide Tipped Tooling
- Chlorine and Sulphur Free

Applications:

Faracut HS3 is particularly suited to machining aluminium and its alloys, under high-speed regimes. Also suited to the machining of Magnesium alloys where it should be applied at low pressure with high flood volumes to give good cooling and swarf quenching.

Faracut HS3 is also suitable for grinding tungsten carbide tipped tools where it suppresses the solubilisation of cobalt metal.

Physical Characteristics:

Appearance	Pale straw liquid
Relative Density @ 15.6°C	0.845
Kinematic Viscosity @ 40°C (cSt)	9.3
Closed Flash Point °C	165
Copper Corrosion (ASTM D130)	1b

* Figures based on average production values

