



**Metcut**  
METALWORKING FLUIDS



## Product Information: Neat Cutting Oils

# 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.

### 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.

### Features / Benefits

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

### Physical Characteristics

Appearance

Relative Density @ 15.6°C

Kinematic Viscosity @ 40°C/cSt

Chlorine Sulphur

Water Content

Closed Flash Point °C

A mobile light straw coloured oil

0.880

8.9

Nil

Nil

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Issue No. 01 SDS 230



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