

NEAT CUT



Neat Cut is a transparent non-corrosive cutting fluid for all types of metal lathe, with added chlorinated EP quality enhancers to cope with high pressure. It also contains anti-oxidization agents, anti-rusting agents and anti-vaporizing agents.

Usage of Neat Cut

- For metalwork e.g. the cutting or lathing of various types of metal, whether steel or alloy of any kind
- Contains properties which allow small pieces of waste metal to be cleaned off from the body of the work, thus making it suitable for the boring of deep holes
- May be used as a hydraulic oil and lubrication oil for machinery bases

Special characteristics of Neat Cut

| Properties | Test Method | Neat Cut |
|-------------------------|-------------|----------|
| Appearance | Visual | Clear |
| Specific Gravity @ 30°C | D-4052 | 0.8529 |
| Viscosity @ 40°C, cSt. | D-445 | 10.40 |
| Viscosity @ 100°C, cSt. | D-445 | 2.95 |
| Viscosity Index | D-2270 | 105 |
| Flash Point (COC), °C | D-92 | 180 |
| Chlorine, % wt | | 1.30 |

Packages: 200 litres

NEAT CUT FS



NEAT CUT FS is a chlorine-free neat cutting oil. It is blended from highly refined petroleum oil with chlorine free technology to give excellent surface finish to machined components. The inactive sulfur additive is especially formulated to replace chlorinated additive and provide excellent corrosion protection in the following metal cutting process.

APPLICATION

- Used in metalwork-the cutting or lathing of steel, aluminium, copper, brass
- Excellent in washing off small pieces of waste metal from the body of the work
- Used in light-to medium-duty metalwork

TYPICAL INSPECTION

| PROPERTIES | NEAT CUT FS |
|--------------------------|----------------|
| Appearance | Bright & Clear |
| Color | L 0.5 |
| Density @ 30 °C | 0.8699 |
| Viscosity @ 40 °C (cSt) | 30.3 |
| Viscosity @ 100 °C (cSt) | 5.338 |
| Viscosity Index | 109 |
| Flash Point, °C | 212 |
| Pour Point, °C | -9 |
| Copper Corrosion Test | 1B |

Packages: 200 litres

NEAT CUT AM 16P



Neat Cut AM 16P is a specially formulated transparent non-corrosive metal lathe cutting fluid manufactured from high quality petroleum with added quality enhancers such as phosphorous and ester which help improve lubrication performance, prevent reactions with heat and protect against rust. It also contains other special additives for extra protection against vaporization of oil. Neat Cut AM 16P is colourless and odourless, making it convenient to use.

Usage of Neat Cut AM 16P

- Suitable for metal and non-metal work
- Excellent in washing off small pieces of waste metal from the body of the work
- Used for light-to medium-duty metal work

Special characteristics of Neat Cut AM 16P

| Properties | Neat Cut AM 16P |
|-----------------------------------|------------------------|
| Appearance | Clear, Light Amber Oil |
| Specific Gravity @ 30°C | 0.88 |
| Viscosity @ 40°C, cSt. | 14-18 |
| Flash Point (COC), °C | 200 |
| 4 Ball Wear: ASTM D-2266 | 0.2 mm. scar Diameter |
| 4 Ball EP Weld Point: ASTM D-2783 | 315 Kg. |

Packages: 200 litres and 18 litres

CUTTING FLUID CB



CUTTING FLUID CB is a premium quality, phenol/nitrite free general purpose soluble oil. Forms a milky emulsion to cover the widest range of metal working operations. It offers the following advantages :

- Provide good corrosion protection due to high level of corrosion inhibitor.
- Reduce smell problem due to contain the special biocide additive.
- High emulsion stability tolerant to hard water (up to 400 ppm CaCO₃)

APPLICATION

- Suitable for drilling, lathing, sawing and grinding of all kinds of metal, including steel of medium hardness and non-steel metal.
- Suitable for hard water conditions with levels of CaCO₃ not exceeding 400ppm. It should be mixed with soft water to oil in proportion from 3:1 to 20:1 for machining and 60:1 for grinding are the most common mixtures.

Special characteristics of Cutting Fluid CB

| Properties | Test Method | Cutting Fluid |
|--|-------------|----------------------|
| Concentrate: | | |
| Appearance | Visual | Bright & Clear Fluid |
| Color | Visual | Amber |
| Specific Gravity @ 30°C | ASTM D 1298 | 0.87-0.89 |
| Stability for 24 hrs @ RT | IP 311 | Stable |
| Emulsion @ 5% in 200 ppm as CaCO ₃ water: | | |
| Rust corrosion test, Class | IP 287 | 1 |
| Emulsion @ 5% in 100 ppm as CaCO ₃ water: | | |
| Appearance | Visual | Milky Emulsion |
| Color | Visual | White |
| Cream/Oil @ RT ml/ml | | NIL/NIL |
| pH Value | pH METER | 8.8-9.5 |
| Phenol, Phosphate, Silicone Compounds | | No |

Packaging : 200 Litres