

BCN 600  
Technical Data  
EP Neat Cutting Oil for Heavy Duty Machining

#### DESCRIPTION

BCN 600 is a low viscosity clear pale yellow neat cutting oil formulated with specially refined mineral oils blended with chlorine based extreme pressure and lubricity additives. Special low misting formula helps prevent burning at tool tip and reduces smoke and fume.

#### APPLICATION

BCN 600 is designed for difficult machining on medium to high tensile steels. Product is ideal gear shop rationalisation grade and is suitable both gear hobbing, gear shaving and gun drilling. Other applications include bar turning of hard materials and steels.

BCN 600 is suitable for machining and grinding of aerospace materials including titanium nickel alloys and heat resisting steels.

BCN 600 is sulphur-free and is also recommended for machining of aluminium and yellow metals.

#### TYPICAL PHYSICAL PROPERTIES

Test	Typical Value	Test Method
Appearance	Clear pale yellow oil	
Specific Gravity @ 20°C	0.93	DIN 51757
Viscosity @ 40°C mm <sup>2</sup> /s	16	DIN 51562
Copper Corrosion	Negative	DIN 51759

#### ADVANTAGES

- . Versatile EP heavy duty product for a wide range of machines and applications
- . Excellent cooling properties for minimum burning, smoke and fumes
- . Contains antimist additives
- . Minimised drag out on swarf
- . Resistant to oxidation for long service life with no gums or lacquers
- . Separates easily from water based cleaners to give extended wash tank life.

#### STORAGE

Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is between 5°C and 35°C. Use stock in delivery rotation. A shelf life of 12 months can be anticipated.

#### HEALTH & SAFETY

Health & Safety Data sheets are supplied to customers to comply with Section 6 of the Health & Safety at Work Act 1974, and should be closely studied prior to handling or use of the product. Copies are available from your Technical Health & Safety Officer. Various other advisory publications are available from the Health & Safety Executive and Her Majesty's Stationary Office.

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