



Product Data

HYSOL EXCEL

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Semi Synthetic Soluble Metal Working Fluid

DESCRIPTION

Castrol Hysol Excel is a premium, multi-purpose, multi metal, high performance semi synthetic soluble cutting fluid. It is a Chlorine , Sulphur and silicon free product.

APPLICATION

Castrol Hysol Excel has outstanding performance. Its value is shown particularly in high speed machining tasks such as profile milling, drilling, turning, grinding, tapping and reaming. Castrol Hysol Excel is suitable for use with steel, cast iron, aluminium, copper and brass. Optimum results are obtained with Castrol Hysol Excel with water having a hardness of 50 - 400 ppm as CaCO₃.

FEATURES

BENEFITS

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| ◆ Synergistic lubricity additives | ◆ Excellent machining performance - improved surface finish, longer tool life. |
| ◆ Versatile | ◆ Suitable for mixed metal machining, good rationalisation product |
| ◆ Corrosion inhibited | ◆ Non staining of components, no corrosion of machines and fixtures |
| ◆ Resists bacterial and fungal infections | ◆ Extended coolant life, increased up-time |
| ◆ Excellent wetting properties | ◆ Reduced coolant drag out, cleaner machine tools and components |
| ◆ Consistent product quality | ◆ Machining performance maintained throughout coolant life |
| ◆ Low odour | ◆ Pleasant to use, Operator friendly |
| ◆ Free from Chlorine, Nitrite and Phenol | ◆ No disposal problems after splitting |



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TYPICAL PHYSICAL CHARACTERISTICS

Concentrate Appearance	Clear, amber fluid
Emulsion Appearance	Semi-translucent
Relative Density @ 20°C	0.989
pH @ 5% Concentration	8.9
Refractometer Correction Factor	1.05
Recommended Concentrations	-
Grinding	4%
General Machining	5 - 7%
Severe Operations	6 - 8%

ADDITIONAL INFORMATION

For maximum service life, coolant systems should be cleaned and sterilised by treatment with Castrol Techniclean MTC 43 before changing to Hysol Excel. Treatment entails the addition of approximately 1% Techniclean MTC 43 to the previous charge of coolant the day before it is due to be discarded. For full details see the product datasheet for Castrol Techniclean MTC 43.

Health and Safety information sheets are available for all Castrol products from the address below:

Castrol (U.K.) Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, England, Telephone:

Orders/Enquiries (08459)645111, Technical Enquiries (01793)452111, Fax (01793)486083

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