



PRODUCT TECHNICAL DATA SHEET

HUWAIT CUTTING OIL

Premium Quality Soluble Cutting Oil

PRODUCT DESCRIPTION

HUWAIT CUTTING OIL is a premium quality soluble cutting oil manufactured from a mixture of special base oils and carefully balanced blend of emulsifying agents to produce a fluid with maximum cooling ability, excellent lubricity and anti-weld properties, very stable emulsifying agents with biocide to provide good resistance to bacterial growth. **HUWAIT CUTTING OIL** has a good alkalinity reserve with low foaming tendencies.

APPLICATIONS

- ★ Has been developed to operate over a wide range of carbon steel machining operations. Suitable for light machining such as drilling, planning, milling in soft in normal water conditions. **HUWAIT CUTTING OIL** can also be used for grinding where a clean emulsion is required to rapidly settle-out the grinding metal fines.

WATER DILUTION GUIDE (Parts Water to Parts Oil)

OPERATION	DILUTION RATIO
Drilling	10:1 to 15:1
Grinding	30:1 to 50:1
Ream/Bore	10:1 to 15:1
Turning	15:1 to 30:1
Sawing	10:1 to 15:1
Milling	10:1 to 15:1

General practice is to add the soluble oil to the water.

DOCUMENT INFORMATION

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BENEFITS

HUWAIT CUTTING OIL provides:

- ★ Efficient in machining and grinding
- ★ Provides a high precision surface finish
- ★ Detergency assists flushing of swarf and settling of fines
- ★ Effective rust protection of machined parts and machine tool
- ★ Longer emulsion life due to better bacterial control
- ★ Alkalinity reserve improves the emulsion's resistance to bacteria

TECHNICAL DATA*

Specific Gravity @ 15 ⁰	0.890
Appearance	C & B
Kinematic Viscosity mm ² /s @ 40 °C	34
Flash Point °C	188
Corrosion Test IP 287 @ 20:1	Pass
Emulsion Test	Pass

**The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible.*

HEALTH & SAFETY, ENVIRONMENT

The information on this product is available in the WOQOD Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information we recommend you review the MSDS. Handled correctly there are no special precautions suggested.

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