UNISOL-P SOLUBLE CUTTING OIL

Product Description:

UNISOL-P is a water-soluble metalworking fluid formulated with fragrance that forms a very stable emulsion when mixed with water at a wide range of dilutions. The stability of this emulsion is not affected by hard water ions and the fact that it does not foam makes it ideal for high-speed metal working operations. The high heat absorbing characteristics of UNISOL-P provides superior cooling for a variety of metalworking processes.

UNISOL-P is fortified with biocides to prevent rancidity caused by bacteria, which can lead to unpleasant odors, split emulsions and reduced product performance. This feature results in greater worker satisfaction and optimum product performance. UNISOL-P also provides excellent protection against rust.

UNISOL-P is recommended for light to moderate duty machining operations on all ferrous and non-ferrous metals except magnesium. It will find use in machining, sawing, drilling, milling and turning. It is ideal for grinding due to its superior wetting and cooling properties.

Typical dilution ratios with water range from 1:10 for milling and turning to 1:40 for grinding.

Applications / Benefits:

- Protects against rust and corrosion.
- Non-foaming.
- Excellent wetting and cooling capabilities.
- Resists bacterial attack.
- Formulated with perfume for pleasant working environment.

Typical Characteristics:

Test Description	Method	Typical Result
Concentrate:		
Appearance		Clear Liquid
Specific Gravity @ 15C	ASTM D 4052	0.89
Emulsion:		
Appearance		Milky
pH @ 3%		9.5
IP 287 Corrosion Test %		2.0
Refractometer Factor		1.0

Product Data Sheet