

SOLUBLE CUTTING OIL



Description

BENZOL® Soluble Cutting Oil is a premium quality lubricant, high quality versatile product suitable for lubricating and cooling a wide range of metal cutting operations such as Turning, Mining, Drilling, Grinding and Boring on ferrous and non-ferrous metals. It plays a vital role in accelerating the production rate by enabling increased rate of metal removal and by reducing or eliminating problems associated with severe and hazardous machine operation.



Applications

BENZOL® Soluble Cutting is general-purpose, soluble type cutting oil for use with water of normal hardness. A dilution of 4% to 8% is suitable for the majority of application. It is advised to start with 4% and adjust as necessary. Concentration varies depending on the type of machining, hardness of water and required corrosion protection.

Performance Benefits

- Modern additives prevent the formation of built-up edges and Reduce the tool wear.
- Optimally suited for minimum lubrication.
- Chlorine and silicon free.
- Protection from rust and corrosion.
- Eliminates formation of undesirable foams.
- Forms fine, highly stable emulsions even in hard water
- Provides process visibility (becomes milky white in appearance Once emulsified with water)

Technical Specifications

Product/Part Number

SN01000331	4 x 5	SN01000321	4 x 4
SN01000171	12 x 1	SN01000171	24 X 1
SN01000511	1 x 20	SN01000531	1 x 25
SN01000561	1 x 200	SN01000571	1 x 208
SN01000601	1x1000		

Tests	Method	Results
Appearance	Visual	Clear & Bright
Water	Hot Plate	Nil
Color	D-1500	3.5
Density @ 15 °C, kg/L	D-1298	0.8950
pH of 5 % emulsion in water	-	8.5
Viscosity @ 40 °C, cSt	D-445	30
Flash Point, °C (COC)	D-92	190
Pour Point, °C	D-97	-5
Emulsion in water at 24 Hrs	IH M001	Stable
Cream-Oil-Emulsion separation at 24hrs, ml	IH M001	Nil

HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other BENZOL products, please visit www.benzollubricants.de

