

Product Data

ZIE COOL SS 360 Water Soluble Cutting oil

Description:

ZIE COOL SS 360 is semi synthetic type water soluble cutting oil which is developed for Ferrous and Non Ferrous metals. It provides required property like flushing ability , low foaming as well as high lubrication that enable to handle heavy duty applications

Recommended concentration	
Application / Operation	Concentration
Grinding	3 to 5 %
General Machining	4 to 7 %
Drilling, Boring, Reaming etc.	8 to 12%

It provides low forming even in soft water and has excellent anti corrosive property. It has stable emulsion in 800 ppm hard water. It doesn't contain Nitrites, sulphates, Phosphates and chlorine. It contains specialty additives which increases coolant life keeps machines exceptionally clean enhances work piece quality and surface finish.

APPLICATION:

Material :

1. Steel : Carbon Steel , Alloy Steel , 300 & 400 Series Stainless steel
2. Cast Iron : Cast iron , Modular Iron , Gray Iron

It's suitable for machining of all ferrous, cast iron and carbon steels alloys.

This oil is recommended for Grinding, Milling, Drilling, Turning, Boring heavy- duty cutting, general machining

Mixing Recommendation:

Add oil to water slowly with constant stirring to make an emulsion. Do not add water to the oil. A mixing unit is recommended for better results.

Storage Recommendation :

Keep Drum closed when not in use

Not advisable to store at a higher temperature than 40 ° C (Highly recommended 5 – 40 ° C , 6 months)

Typical characteristics:

CHARACTERISTICS	TEST METHODS	ZIE COOL SS 360
Colour,	Visual	Amber
Colour, 10 % Emulsion	Visual	Milky Translucent
'pH@ 10% in distilled water	-	9.8
Refractometer Factor		1.50
Emulsion stability test	IS 1448 P:68	Passes

The above figures are typical figures with normal production tolerance.

BENEFITS:

- Provides longer sump life.
- Excellent machining performance based on Synthetic Ester
- Provides excellent corrosion protection
- Excellent Emulsion stability in hard water (0 ~ 500 ppm)
- Excellent lubricity anti wear properties.
- It is free from chlorine, phosphates , sulfur ,zinc , nitrite, di-ethanol amine, mono ethanol amine, heavy metals PCP, PCB,PCT,TCDD or other dioxin – containing substances
- It cleans parts by removing rust and displaces water and oil from metal surfaces.
- It provides long lasting stable emulsions.

Health & Safety

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

Available Pack Sizes : 20 L & 210 L

All reasonable care has been taken to ensure that the information contained in this publication is accurate as at the date of printing. It should be noted however that the information above may be affected by changes occurring subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such products.