

VELCOOL CUT HD



“VELCOOL CUT HD” is economical & environmental friendly, long life, water soluble Semi Synthetic Metal Working Fluid suitable for all type of Machining and Grinding Operations.

FEATURES

- Mild Alkaline PH and contains salts of high molecular weight.
- Excellent Anti Corrosion Property.
- Does not contain toxic elements like Phosphorous, Sulphur and Chlorine.
- Devoid of Bacterial growth due to special additives.
- Provides Good Cooling effect due to Aqueous base and hence increases tooling life.
- Suitable for use up to TDS level of 500 PPM.

BENEFITS

- Excellent Dissipation of Heat
- High Amount of Lubrication
- Effective Biocidal & Fungicidal effect
- Excellent Corrosion Inhibition
- Suitability for Ferrous and non Ferrous Metal
- Good Sterling & low foaming properties
- Mist Suppression
- Biodegradable in Nature

APPLICATIONS

1)Drilling 2)Grinding 3)Tapping 4)Reaming 5)Turning 6)Boring 7)Milling

CHARACTERISTICS

- Nitrite Free
- High Resistance to Microbial Degradation
- No Skin Irritation
- No Reaction with brass or Copper
- Easy Removal of Contamination from Sump
- Easy Disposal
- Minimum Environmental Hazard
- Lower Usage Rates

MACHINING

- Cast Iron
- Mild Steel
- Forged Material
- Aluminium
- Ferrous and Non Ferrous
- Copper
- Brass

TESTING SPECIFICATION

Appearance	Homogenous Medium Viscous Light Yellow
Emulsion with 5% Water Appearance	Milky White Micro Emulsion
pH of 5% Emulsion	8 to 8.5
Sp. Gravity at 29.5 °C	0.855-0.915
Viscosity at 29.5 °C	30-36 cST
Refractive Index 5%	4.5 to 4.5
Cast Iron Corrosion Test	Passes
Copper Strip Corrosion Test	Passes
Foaming Test	Passes