

NewAge Petro Conchem
Pvt. Ltd.

Product Specification Sheet

Cutting Oil



Reliable quality, trusted performance

CUTTING OIL

Cutting Oil is a premium-grade metalworking lubricant specially formulated to provide effective cooling, lubrication, and chip removal during machining operations. It enhances tool performance, improves surface finish, and extends tool life under demanding industrial conditions.

Available in Soluble and Semi-Synthetic variants, it forms stable emulsions with water and delivers excellent corrosion protection, thermal control, and machining efficiency.

Available Grades:

- Soluble Cutting Oil
- Semi-Synthetic Cutting Oil

Analytical Test	Typical Specification	
	Soluble Cutting oil	Semi Synthetic Cutting oil
Appearance	Clear & Bright	Clear & Bright
Density @ 29.5 °C	0.880 – 0.895	0.880 – 0.890
pH 5% emulsion	8.50 To 9.50	8.50 To 9.50
Flash Point, COC	Min 160 °C	Min 160 °C
Emulsion test, 5:1 and 20:1 ration in water of 400 ppm hardness (as CaCO ₃)	Passes(No oil or cream separation observed)	Passes (No oil or cream separation observed)

Advantages :

- Excellent Cooling & Lubrication
- Stable Emulsion Formation
- Improved Surface Finish
- Extended Tool Life
- Protection Against Rust & Corrosion
- Reduced Foam Formation
- Superior Thermal Stability
- Suitable for Hard Water Conditions
- Clean Machining Performance