



## **ADROLSYNTHETIC GRINDING FLUIDS**

### **SYNTHETIC GRINDING OIL**

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#### **DESCRIPTION**

**ADROL SYNTHETIC GRINDING FLUIDS** are water soluble synthetic grinding fluids of solution type. They are supplied in a concentrated form and are to be diluted with water in a suitable ratio. They are free from any mineral oil or fatty matter. These products are economical with good cooling and antirust properties when applied in grinding and other high speed machine operations.

#### **APPLICATIONS**

**ADROL SYNTHETIC GRINDING FLUIDS** are specially recommended for grinding of ferrous metals, high nickel and titanium alloys, especially for grinding of open grain cast irons which tends to rust quickly after machining. **ADROL SYNTHETIC GRINDING FLUIDS** is recommended for grinding operations of Iron, Steel, Non- alloyed Steels and Nickel Chromium Steels. It should not be used for grinding aluminum, zinc, copper or magnesium alloys, tin or cadmium coated parts. Dilution range for the products varies from 5% to 10%.

#### **PERFORMANCE BENEFITS**

Besides rendering remarkable antirust properties, **ADROL SYNTHETIC GRINDING FLUIDS** give longer service life to grinding wheels and good ground finish. They do not emanate obnoxious odour even when machine is shut down and fluid is not kept in circulation as they are not attacked by bacteria. The solution maintains the clarity throughout the service period. They remove grinding debris quickly and keep the wheel exceptionally clean. They do not give skin irritation when used in proper dilution range.

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### TYPICAL PROPERTIES

CHARACTERISTICS	SPECIFICATIONS
Appearance of 10 % volume in Distilled Water	Clear liquid with Green Fluorescence
Density at 15°C, gm/ml	1.260 (typical)
pH of 2 % Volume in Distilled Water	9.50 (typical)
Cast iron corrosion test in 1:20 Distilled Water	PASSES

\*Test results are based on samples.



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