



## SRN LUBRICANTS PRIVATE LIMITED

### PRODUCT DATA SHEET



#### CIIFROL SYNCUT 8100

**Ciifrol Syncut 8100** is a semi-synthetic, bio-stable, micro emulsion type water soluble cutting fluid. It forms translucent clear solution when mixed with water. The solution formed is homogenous and does not break even during prolonged usage or shut downs. Ciifrol Syncut 8100 is a low oil content non-EP type product whose emulsions are compatible with cast irons, most ferrous alloys including stainless steel and free cutting aluminium alloys, oil resistant plastics and other non-ferrous metals.

#### Applications:

**Ciifrol Syncut 8100** is recommended for grinding, reaming and general machining operations. Syncut 8100 is also suitable for deep hole drilling and boring, thread cutting and forming operations under appropriate concentration levels. Syncut 8100 gives excellent oil life, many times more than the conventional soluble cutting oils and also provides extended tool life and finish in all cutting operations and most arduous heavy duty machining operations. Recommended dilution rates for various operations are as under

- General machining: 5-6%
- Reaming: 8-10%
- Grinding: 3-5%
- Thread Cutting and Forming: 6-8%
- Deep hole drilling and boring: 6-8%

#### Specifications:

This is a propriety formulation of SRN Lubricants

#### Benefits:

- Low foaming in all water conditions to ensure continuous grinding performance
- Free from Sulphur, Chlorine and Phosphorous based EP additives.
- Inhibits microbial growth to enhance coolant sump life
- Extended Protection of work piece, machine components & tool material from rust & corrosion.
- Excellent surface Finish, superior cooling properties.
- Very long emulsion life

#### KEY PROPERTIES

CIIFROL SYNCUT 8100	
Parameters	Typical Results
Appearance	Amber Fluid
pH of 5% emulsion in water, typical	9.6 Typical
Cast Iron Corrosion	Passes
Solution Stability	Excellent
Mineral Oil Content	15%

#### Disclaimer:

The above given values are typical results; however the guaranteed specifications values are different and often lower than the typical values. For the guaranteed specifications, please discuss with SRN Lubricants representative or visit our website [www.ciifrol.co.in](http://www.ciifrol.co.in)