

Technical Data Sheet



SW-5000 Water based Synthetic Grinding Coolant

Description

SW-5000 is a water based synthetic Coolant for roll grinding. It exhibits excellent properties of tramp oil rejection, corrosion inhibition, and swarf settling.

SW-5000 does not contain mineral oil, or any sulfur, chlorine and phosphorus additives.

SW-5000 is a liquid with light color and low odor. It is transparent when diluted with water. A distinguishing characteristic of this product is that it runs extremely clean with minimum foam, without any anti-foam additives.

SW-5000 is suitable for grinding conditions such as slow feed abrasive machining, shaving grinding and general grinding working.

Features and Benefits

- Outstanding cooling properties
- Excellent swarf settling properties
- Excellent protection for ferrous metals
- Low foaming property
- Exceptional tramp oil rejection
- Good bio-stability

Typical physical and chemical properties

Appearance (Neat)	Clear colorless liquid
Appearance (2.5% in DI water)	Clear colorless liquid
Specific Gravity @ 24°C	1.07
pH(Neat)	9.55
pH, (2.5% in DI water)	9.13
Solubility in water	100% miscible

Usage

1. Must clean up the system before Use
2. Dilute by water from 1:15 to 1:40
3. Use deionized water to dilute would be better.

Application

SW-5000 can be used on cast iron, nodular iron, and carbon steels. It is designed for light to medium duty grinding operations.

Storage

- Store inside warehouse
- Store out of direct sunlight
- Avoid water collecting on barrel top