Soluble Oil Metalworking Fluid
Unicool 3020 SO

Industrial Fluids, LLC

Industry proven
High performance
Emulsifiable
Metalworking Fluid

UNICOOL 3020 SO IS A CHLORINE FREE AND IS FORMULATED WITH HIGH PURITY BASE OILS, EMULSIFIERS AND CUTTING-EDGE ADDITIVES TO INSURE LONG COOLANT LIFE AND INCREASED TOOL LIFE. **UNICOOL 3020 SO** IS A SOLUBLE METALWORKING COOLANT WITH SUPERIOR BIO-RESISTANCE. THIS PRODUCT CONTAINS PROPRIETARY EMULSIFIERS THAT ALLOWS IT TO MIX EASILY WITH A VARIETY OF WATER HARDNESSES TO FORM STABLE EMULSIONS. **UNICOOL 3020 SO** IS DESIGNED TO PROVIDE GOOD PERFORMANCE WHERE ECONOMIC PERFORMANCE IS THE MAIN CONSIDERATION. IT OFFERS LONG-TERM CORROSION PROTECTION FOR BOTH MACHINE COMPONENTS, MACHINE TOOL AND WORKPIECE.

Features

- Non-Corrosive
- Extended Sump Life
- Easily Cleaned with Water
- Excellent Lubricity on Steel
- Consistent Quality
- Low Foaming

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Concentration Control Table		
%	Ratio: Conc H2O	Refractometer
12	1:8	12
11	1:9	11
10	1:10	10
9	1:11	9
8	1:13	8
7	1:14	7
6	1:17	6
5	1:20	5
4	1:25	4
3	1:33	3
2	1:50	2
1	1:100	1
Refractometer Multiplication Factor		1.0

Form	Liquid
Color	Dark Amber
Odor	Mild
Specific Gravity	0.91
Density	8.76 lb/gal
Soluble in Water	Emusifiable
pH of Concentrate	9.6, 5% 8.8
Freeze/Thaw Stability	Stable
Shelf Life	1 year

Usage Instructions: Before adding to the machine sump, premix the coolant by adding concentrated coolant to water in desired proportions and agitate until uniform. If desired concentration is unknown, begin with a concentration of 6% and perform trials until ideal concentration is determined. When adding make-up, avoid adding straight water or concentrated coolant to the sump. Add premix at a concentration approximately 1/4th the desired running concentration. Example: If running concentration is 10%, add make-up at a concentration of 2.5%

Maintenance: Regular maintenance is required in order to ensure optimal performance of Unicool 3020 SO concentration should be monitored regularly with a refractometer and maintained between 4% and 12%. Tramp oils should be removed from coolant frequently to reduce likelihood of biological growth. Prevent contamination with cleaners or solvents. Failure to properly maintain system can result in increased biological growth, staining, corrosion, and/or emulsion instability.

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