



# Super Sol 997 Semi Synthetic Coolant

**SUPER SOL 997 SEMI SYNTHETIC COOLANT** is a specially compounded blend of ingredients combining new micro emulsion technology.

## APPLICATION:

**SUPERSOL 997** is an all purpose metal working fluid recommended for moderate to heavy duty machining and grinding of ferrous and non-ferrous metals. It provides rapid heat dissipation and extra lubricity needed for demanding machining operations. These include milling, broaching, turning, tapping, sawing, and grinding. It is ideally suited for CNC machining centers running soft metals and grinding operations requiring close tolerances and optimal surface finishes.

## BENEFITS:

- One product supplies the cleanliness of a synthetic with the lubricity of a soluble oil coolant
- Provides anti-stain and anti-corrosion protection for most metals
- Good hard water stability
- Highly resistant to bacterial attack, biostable
- Contains non-staining EP agents
- Leaves soft oily like residues for protection of machinery
- Helps keep machines clean, excellent detergency
- Resistant to tramp oil contamination – rejects excess tramp oil
- Highly filterable, can be centrifuged
- Low foaming – even in Blanchard type grinders
- Low misting, low odor
- Particularly effective on aluminum die casting alloys

## DIRECTIONS FOR USE AND CONTROL:

Clean system thoroughly with sump cleaner, rinse with water and disinfect with Baum's Soluble Oil Conditioner No. 200, or other biocide.

## RECOMMENDED DILUTIONS:

Grinding	3 – 5% in water
Drilling, turning, boring, milling	5 – 8%
Tapping, threading, broaching	5 – 10%
Difficult machining of hard materials	5 – 10%
Roll forming, spinning	3 – 6%



**REFRACTOMETER CHART FOR EVALUATING COOLANT CONCENTRATION OF SUPERSOL 997**

DILUTION RATIO (BRIX)	% SOLUTION	REFRACTOMETER READING
10/1	10.0	6.0
15/1	6.7	4.5
20/1	5.0	3.0
30/1	3.3	2.0
40/1	2.5	1.5
50/1	2.0	1.2

**TYPICAL PROPERTIES**

Appearance	Clear – Blue
pH 5%	9.96
Falex EP Test, 5% dilution	Torque of 65 lbs – in @ 2500 lbs. direct load
Emulsion stability in 400 ppm hard water	5% 24 hrs – clear – no separation
Specific Gravity @ 60° F.	1.026
Weight per Gallon	8.54 lbs
Flash Point	None
Freezing Point	+26° F. reconstitutes when thawed

**CAUTION:**

Contains alkaline and surface active material, eye contact will cause irritation. Prolonged and repeated contact with skin may cause irritation. In case of contact wash with water.

**STORAGE:**

Keep from freezing. Do not store above 120° F (49° C)

