

# Tool-X<sup>®</sup>

Technical Data Sheet  
Tool-X SS-500

## SS-500

*Moderate to Heavy Duty Low Oil Semi-Synthetic Coolant*

### PRODUCT DESCRIPTION

**Tool-X SS-500** is the first low oil, semi-synthetic coolant available with Tool-X nanotechnology for moderate to heavy-duty machining of ferrous and non-ferrous metals. **SS-500** combines the lubricity of a soluble oil coolant with the cleanliness of a synthetic coolant and the improved feeds and speeds, accuracy and surface finish from the Tool-X nanotechnology all in one easy-to-use product.

### BENEFITS

- Hard water stable
- Outstanding corrosion protection
- Bioresistant – maximizes sump life
- Good foam control at high pressures
- Good tramp oil separation
- Operator friendly – no oily residue or mist
- Increased feeds and speeds
- Better dimensional accuracy
- Improved surface finish
- Longer tool life
- Reduced chip sizes
- Lower machining costs

### APPLICATIONS

- CNC Machining
- Milling/Drilling/Profiling
- Sawing/Cut-off
- Thread Rolling
- Boring/Reaming Tapping
- Turning Centers
- Surface and Finish Grinding
- Central Systems
- Centerless and Creep Feed Grinding

### DIRECTIONS FOR USE

**Tool-X SS-500** forms a translucent micro-emulsion when diluted with water. The coolant remains stable at all proportions. Sump should be cleaned prior to recharging with fresh coolant. The use of a refractometer and good coolant management techniques are recommended. Contact your sales representative for information on our drum dispensers.

Grinding	5-8%	Turning Centers	5-10%
General CNC Machining	5-12%	Boring/Reaming/Tapping	6-15%
Milling/Drilling	5-8%	Threading	8-10%

### PROPERTIES

Appearance	Dark, blue-green liquid	Water Solubility	Emulsifies in Water
Odor	Mild	Grinding	9.0 – 9.7
Specific Gravity	1.00 – 1.10	Available Sizes	5 gal pails, 55 gallon drums