

# APEX 9800



- Chlorine Free
- Halogen Free
- Siloxane/Silicone Free
- Hard Water Stable
- Excellent Sump Life
- Excellent Lubricity and EP Properties
- Extends Tool Life
- Superior Tramp Oil Rejection
- Mild Pleasant Odor
- Excellent Corrosion Protection

## ■ PRODUCT DESCRIPTION

APEX 9800 is a severe duty water-soluble machining and grinding fluid. It is chlorine free, halogen free and silicone free. Excellent for use in machining of aerospace materials including aluminum, titanium and high-nickel alloys. It is chemically designed to resist bacteria and fungus. It forms a stable emulsion that resists tramp oil contamination, and provides long-term worry-free sump life. APEX 9800 can be used on all ferrous and nonferrous metals.

## ■ RECOMMENDED STARTING DILUTIONS

Operation	Carbon Steels, Cast Steels	High Alloy Steels, Stainless Steels	Aircraft, Tool Steels	Copper, Aluminum
Machining-Milling, Drilling, Turning	1:20 (5.0%)	1:20 (5.0%)	1:15 (6.7%)	1:20 (5.0%)
Grinding	1:25 (4.0%)	1:25 (4.0%)	1:20 (5.0%)	1:25 (4.0%)
Reaming, Tapping, Sawing, Broaching	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.0%)

## ■ REFRACTOMETER READINGS

Dilution Ratio	1:10 (10.0%)	1:15 (6.7%)	1:20 (5.0%)	1:25 (4.0%)	1:30 (3.3%)
Refractometer Reading	11.0	8.5	6.0	5.0	4.0

## ■ TYPICAL ANALYSIS

FORM: ..... Liquid  
 COLOR: ..... Amber  
 RESIDUE: ..... Oily  
 SPECIFIC GRAVITY: ..... 0.92  
 FLASH POINT: ..... None  
 ODOR: ..... Mild  
 pH @ 10% SOLUTION: ..... 9.0 - 9.3

## ■ AVAILABILITY

A-9800-05 5 Gal Pail  
 A-9800-55 55 Gal Drum  
 A-9800-275 275 Gal Tote