

## Medallion Plus<sup>®</sup> HD 1300 Cutting Oil

### PRODUCT DESCRIPTION

**Medallion Plus HD 1300 Cutting Oil** is a dark amber, active cutting oil for the machining of difficult metals where a high degree of active anti-weld is required. It contains an effective anti-mist additive to reduce misting of the cutting oil during high speed machining operations. In addition to lubricity agents and inactive sulfur and chlorine, the Medallion Plus HD 1300 contains active sulfur for superior control of the built-up-edge on tools. It produces excellent finish on parts, prevents welding and tearing, and prolongs tool life.

**Medallion Plus HD 1300 Cutting Oil** may stain non-ferrous metals. It can not be used as a machine lubricant. Where there is considerable cross-contamination from lube oils, as in most automatic screw machines, Medallion Plus NS 300 dual-purpose oil can be used as the machine lubricant and for low pressure hydraulic systems. Leakage of the NS 300 into the HD 1300 cutting oil will result in little or no degradation of the cutting oil performance.

### PERFORMANCE FEATURES

**Medallion Plus HD 1300 Cutting Oil** is particularly well suited for moderate and high-speed machining of difficult metals:

- Formulated to prevent excessive build-up edge in cutting operations.
- Formulated for compatibility with Medallion Plus<sup>®</sup> NS 300.
- May be used as "spike oil" in operations using our multi-purpose gear/cutting oil NS 300.

### TYPICAL ANALYSIS

Property	ASTM Method	Results
Viscosity @ 40°C, cST	D445	32.0
Color	Visual	Dark Amber
Flash Point °F	D93	400F
Total Sulfur	D129	2.7%
Active Sulfur	D1662	1.8%
Chlorine	D4327	1.6%
Lubricity Fat	IR Spectra.	13.5%

### HEALTH & SAFETY

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your Customer Service Center. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.

