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technical data sheet

Signal Cut 304 Oil

Product Application:

Signal Cut 304 Oil is a revolutionary cutting edge, light viscosity, low odor, mineral, vegetable ester, synthetic blend, heavy duty cutting oil, ideally suited for high speed heavy duty extended run applications and technical precision machining encountered in modern computer and numerical controlled machines (or CNC machines) where fine finishes, high heat dissipation and maximum flush of fines are required.

Signal Cut 304 utilizes carefully selected pure mineral and sheer stable synthetic base stocks blended with technologically advanced sulfurized vegetable ester polymer additives and further fortified with chlorinated paraffins to provide for an excellent heavy duty cutting fluid excelling in the machining of ferrous and non-ferrous metals as well as exotic materials such as Hastelloy and titanium.

Due to the heavy duty component technology, Signal Cut 304 may discolor copper and its associated alloys, thus if staining is objectionable, it is not recommended for use in those situations.

Package Size:

Bulk, Drums, Pails

Features and Advantages:

- *Superior wetting and penetration at point of cut
- *Excellent High Heat Dissipation Capabilities
- *Mist Suppressant Technology – Minimizing fogging and spray mist
- *Increased production resulting from longer tool life and reduced downtime
- *Unparalleled lubricity
- *Pleasant odor with a distinguishable red color

Typical Characteristics:

Viscosity, ASTM D 445	
cSt @ 40°C	7.5
cSt @ 100°C	2.5
Pour point, °C. ASTM D 97	-15
Flash, °C, ASTM D 92	165
Specific Gravity @ 15°C kg/l, ASTM D 1298	.954
Color	Red
Sulphur Ester	1.5%
Chlorine	5%

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