



Sulnap™ Cutting Oil

Conoco Sulnap™ Cutting Oil is a general-purpose lubricant that can be used for machining ferrous and non-ferrous metals, such as carbon and alloy steels, brass, bronze, copper, magnesium and aluminum without the danger of corrosion.

Sulnap™ Cutting Oil is manufactured with high-viscosity-index paraffinic base oils blended with a chlorine-sulfur additive system. It protects metals from extreme pressures by forming metallic compounds on the face of the chip and tool. It also acts as a lubricant by reducing friction. As the temperature increases during machining, the chlorinated paraffins in the additive system activate. Increasing temperatures and load on the surface activate the sulfur-phosphorus, extreme-pressure additive to protect the tip of the tool and the machined surface.

Applications

Machining operations, such as turning, boring, planing, shaping, light- to medium-duty threading, sawing, hobbing and gear cutting. Copper-containing metals may discolor slightly.

The low viscosity of Sulnap™ Cutting Oil helps dissipate heat rapidly from the cutting surface, producing less discoloration and distortion and providing the necessary cooling for high-speed machining without excessive fogging.

Outstanding Features

- Reduces inventory – one oil for most applications
- Protects surfaces and tools
- Light color for ease of machining
- Nonfogging

**A General-Purpose
Oil For Most
Machining
Applications**

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Sulnap™ Cutting Oil
Typical Properties

ISO Grade	22
Density (lb/gal)	7.29
Flash Point, (°F)	395
Pour Point, (°F)	0
Viscosity,	
cSt @ 40°C	21
cSt @ 100°C	4.1
SUS @ 100°F	104
SUS @ 210°F	40
Viscosity Index	87
Sulfur (wt %)	0.86
Chlorine (wt %)	1.8
ASTM Color	0.5

Due to continual product research and development, the information contained herein is subject to change without notification.

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