

## Soluble Cutting Oil

### Water Soluble Metalworking Fluid

#### Description

Nemco Soluble Cutting Oil is a general-purpose soluble oil with an emulsifier package which contains no phenolic or cresylic components. Soluble Cutting Oil forms a stable white emulsion when mixed with water, and exhibits low to moderate foaming tendency with strong corrosion protection.

Mix ratio for Nemco Soluble Cutting Oil starts as low as 25:1 up to 10:1, even with hard water. Use a ratio suitable to the requirements of the application. Ratios are listed above as Water content : Product content.

#### Applications

- Ferrous and most non-ferrous materials; mild steel, stainless steel, hardened steel and most aluminum alloys
- Light to Moderate Duty; machining, grinding, milling, drilling, cut tapping, reaming, boring, and surface grinding
- Note: soluble cutting oil should always be added to the water for proper blending and emulsion consistency

#### Advantages

- Strong corrosion resistance
- Excellent emulsion stability
- Low to moderate foaming tendency
- Odour free

#### Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Soluble Cutting Oil has a typical shelf life of 3-5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

#### Typical Characteristics - Soluble Cutting Oil

Test	Performance
Appearance	Clear (amber)
Stability (24 hours) 40°C ~4°C	Clear, stable 4
Bloom at 5% in tap water	Good
Strike at 5% in tap water	>10 inversions
Appearance at 5% in tap water	Milky
pH at 3% in tap water	9.0
Mod. IP263 emulsion stability at 5% 24 hours at 40°C Tap (% oil/% cream) 200 ppm (% oil/% cream) 400 ppm (% oil/% cream)	0/Trace 0/Trace Trace/0.1
Mod. IP287 CI chip rust test at 5% in 200 ppm	40% rust

*These characteristics are typical of current production, variations in these characteristics may occur.*

## Availability and product codes

Pack size	20L pail	205L drum
Soluble Cutting Oil	SLORZ0041	SLORZ0072
Availability	To order, contact us toll free 855-755-6737 or at orderdesk@nemco.ca	

## Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under Safety Data Sheets. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). This product is WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

## Quality

Nemco Resources Ltd works with respected industry suppliers for lubricant additives and base oils. The Nemco Winnipeg manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your Technical Sales Representative.