

UNITED OIL COMPANY

PITTSBURGH, PA U.S.A

SUPPLYING QUALITY INDUSTRIAL LUBRICANTS FOR THE METALS INDUSTRY SINCE 1906

UNITED SOLUBLE CUTTING OIL

United Soluble Cutting Oil is a high performance cutting and grinding soluble oil fortified with extreme pressure additives for outstanding performance. The United Soluble Cutting Oil provides long term worry free sump life and superior control against foul odors. It forms a stable emulsion that resists tramp oil contamination. United Soluble Cutting Oil is recommended for use on ferrous metals and certain non-ferrous metals such as nickel and certain types of aluminum and aluminum alloys.

United Soluble Cutting Oil has the ability to readily react at the chip-tool interface in order to form an extremely effective high lubricity, boundary lubricating film that reduces frictional heat and prevents metal-to-metal contact between the tool and work piece. These additive systems provide the **United Soluble Cutting Oil** with the following performance benefits:

- **Long Sump Life-** Significantly reduces odor, both in fresh system charges and in continued use. Exceptionally to bacteria, mold and fungus and remains clean and odor -free for extended periods.
- **Cleanliness-** Leaves a soft, non-tacky film to prevent chucks, fixtures, tool holders and ways.
- **Low Foam-** A low foaming product in all water conditions.
- **Corrosion Protection-** Provides excellent corrosion protection for all ferrous and nonferrous materials. It is safe on all metals. Leaves a light, but very effective protective oily film on parts and machine surface to prevent corrosion.
- **Stability** – Mixes easily with water forming a very stable emulsion.

TYPICAL PROPERTIES

Color	Amber
Specific Gravity	0.94 (ASTM D-287)
Viscosity SUS 100°F (ASTM D-445)	85 – 105
Flash Point	None
Odor	Mild
pH @ 10% Solution	9.0 – 9.5