

# KLONDIKE Soluble Cutting Oil



## PRODUCT DESCRIPTION

KLONDIKE Soluble Cutting Oil is an effective, multi-purpose soluble oil for cutting and machining operations.

## APPLICATIONS

KLONDIKE Soluble Cutting Oil is a multi-purpose machining fluid designed for use in metal working applications where cooling and rust protection are of prime importance. When mixed to the correct ratios, typical applications include cutting, sawing, turning, boring, milling, and grinding.

Typical application ratios for KLONDIKE Soluble Cutting Oil include (but are not limited to):

- 40:1 – grinding
- 20:1 – quenching induction heated parts and as a roll coolant
- 20:1 – sawing and light cutting operations
- 15:1 – general purpose cutting and drilling
- 10:1 – rust preventative in water based hydraulic systems



## FEATURES AND BENEFITS

KLONDIKE Soluble Cutting Oil is a multi-functional, emulsifiable cutting fluid. When mixed with water, this fluid forms a very stable, milky white emulsion, offering excellent cooling ability and the necessary lubricity and extreme pressure characteristics for effective machining operations. This fluid resists foaming, is inhibited with an effective anti-microbial biocide agent, and offers high reserve alkalinity for long service life. Such a fluid can satisfy up to 80% of all general machining requirements.

KLONDIKE Soluble Cutting Oil delivers value through the following benefits:

- **Multi-purpose formula** – suitable for a wide variety of machining operations.
- **Stable emulsion** – highly effective in varying dilution ratios even when used with hard water.
- **Antiwear performance** – high lubricity extends tool life and improves surface finish on the machined part.

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## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	SOLUBLE
API Gravity	ASTM D287	19.0
Viscosity cSt @ 40		38
Emulsion stability		pass
24 hour Cold test		3.5
Color	ASTM D874	2.0

All stated physical properties are typical of standard production and may vary.

## HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other KLONDIKE product, please visit [www.klondikelubricants.com](http://www.klondikelubricants.com) or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

## PRODUCT NUMBERS

SOLUBLE CUTTING OIL	Pail: 18.9 L / 5 GAL	KL-IO7880
	Drum: 208 L / 55 GAL	KL-IO7890
	Tote: 1040 L / 275 GAL	KL-IO7895
	Bulk	KL-IO7899

## BRAVING THE FORCE OF MOVEMENT

KLONDIKE stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive KLONDIKE product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

### KLONDIKE Lubricants Corporation

Toll-free 1-877-293-4691

[info@klondikelubricants.com](mailto:info@klondikelubricants.com)  
[www.klondikelubricants.com](http://www.klondikelubricants.com)

