

CLEANCUT 300

Metalworking Fluid for Medium / Heavy Processes

Definition

CLEANCUT 300 is a bio-stable microemulsion type, medium oil, EP added universal metalworking fluid developed for machining and grinding operations of various materials. It is suitable for use with hard waters. EP additives in it and it has very good cutting properties thanks to the esters. It is suitable for medium and heavy machining operations. CLEANCUT 300 is an ideal working fluid for aluminum and aluminum alloys due to its special formulation. This product does not contain nitrite, phenol, sulfur, secondary amines and NPE.

Usage areas

High alloy steels, medium / heavy machining operations, aluminum and non-ferrous metals, universal processes.

Method of Application

CLEANCUT 300 is easy to mix. Mix the product in the recommended amount of water. Ideal water temperature for mixing 5-25 °C is.

Recommended Starting Concentrations

Optimum concentration may vary depending on water quality and operating conditions, the following concentrations are recommended for starters. If it will be controlled with a refractometer, the refractometer coefficient is 1.3 and this coefficient

It should be noted that it applies to a clean liquid. Turning

	5 - 6%	Pulling teeth	6 - 7%
Milling	5 - 6%	Cutting with a saw	5 - 6%
Hole machining	5 - 6%	Grinding	4 - 5%

Handling and Storage

Protect from frost and direct sun. 5-30 °C. Stock up around C.

Features and Benefits

- Bio-stable.
- Good foam control.
- General purpose.
- It has good processing properties.
- It is a medium oily liquid.
- It is suitable for use on CNC machines.
- Excellent lubricity.
- High team performance.
- High hard water stability.
- It does not stain aluminum.

Typical Properties

Appearance (3% mixture)	Visual Control	Light Amber
Density @ 15 °C, kg / m ³	ASTM D 4052	1,026
Emulsion pH, 20 °C (3% mixture with deionized water)	ASTM 1287	9.5

* Values may differ from production to production.



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