

Cut Fluid SP50

Cut Fluid SP50 is a high performance microemulsion structured semi synthetic metalworking fluid that can be used in waters up to 50 °dH German hardness that allows tough operations, also recommended for machining all kinds of ferrous alloys, especially aluminum and steel.

Usage

The most appropriate concentration for the process should be determined specifically for the application. The emulsion preparation process should be carried out by adding it to the water mixed in the tank. It is kept between 4-10% for general machining, 7-12% usage for heavy operations. It is recommended to use between 3 and 5% for grinding operations, and between 5 and 10% for other operations, but checks should be made frequently in order not to go below 5%, and attention should be paid to cleaning and replacement periods to keep the pH range between 8,8 and 9,3.

Features

Thanks to its excellent lubricating and lubricating properties, it forms a film layer on the cutting tips and on the surface of the machined part, thus minimizing wear and friction at a perfect level.

The highly effective fungicides and bacterists in its content prevent the product from spoiling and the formation of bad odour, thus prolonging its useful life.

It does not contain harmful chemicals such as phenol, nitrite, formaldehyde.

It works stably in a wide range of water up to 50 DH German hardness.

It does not lose its foam control even in hard waters.

Provides high performance from aluminum processing for the aviation and automotive industries.

Technical Specifications

Appearance	Visual	Amber - Yellow
Emulsion Appearance	Visual	Semi-Transparent
*Density @20°C, g/ml	ASTM D 4052	1,0038
*Refractometer Factor	Hand Refractometer	1,30
4% Emulsion, Rust Test	DIN 51360/2	0 / 0
5% Emulsion, pH	ASTM D 1287	9,00 - 9,50
Hard Water Operating Range, °dH	-	5 - 50

**Data given above are typical properties and may vary slightly.*

Revision Number

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