



Multifunctional Fully Synthetic Cutting Fluid T1001

■Product Introduction

T1001 is a kind of Multifunctional Fully Synthetic Cutting Fluid, this is a universal biological stable formulation and has low foam, good lubricity and antirust performance, oil-free formula, whether in hard water or soft water, can play a good processing performance.

Application:

Suitable material:

It is suitable for processing ferrous metals, copper, aluminum and their alloys. Aviation aluminum is not suitable.

Processing method:

It is suitable for harsh processing of various metal materials, such as drilling, reaming, tapping, etc. The product can be widely used in single machine and central cooling system.

Features:

- ★ Universal formulation, low cost with good performance.
- ★ Low foam, good compatibility with hard water.
- ★ Excellent corrosion inhibit performance, it contains additive to prevent copper change color.
- ★ Good lubricity and extreme pressure performance, effectively improve tools life.
- ★ Good wetting performance, the amount of cooling fluid can be reduced while maintaining the cleaning of the tool and the workpiece.
- ★ Excellent washing and cooling performance.
- ★ Biological stable type, high efficiency sterilization system with long life.
- ★ Friendly to operator and environment, low odor.
- ★ Does not destroy paint and is compatible with machine tool seals.

Recommended used concentration:

Process Material Process Method	Cast iron	Low carbon steel	High carbon steel	Stainless Steel	Aluminum alloy ADC12	Aluminum alloy AC3A	Aluminum alloy AC2B
Turning	5%	5%	5%	5%	5%	5%	6%
Milling	5%	5%	5%	5%	5%	5%	6%
Drilling	5%	5%	5.5%	6%	5.5%	5%	6%
Tapping	5%	5%	5.5%	6%	5.5%	7%	10%
Grinding	4%	4%	4%	5%	5%	5%	5%
Sawing	5%	5%	5.5%	5.5%	5.5%	5.5%	8%

Note: For excellent antibacterial ability, the recommended used concentration is not less than 5%;

Typical Data (50% additive, 50% water)

Item	Test Method	Unit	Typical Data
Concentration Fluid			
Appearance	BAM 300	-	Transparent



			green liquid
Refractive meter reading	-	-	22±1
Density(20° C)	IP365	g/ml	1.0
5% Dilution Solution			
Appearance	BAM 189	-	Semi-transparent green liquid
PH value	BS1647	-	9.75
Antirust (5): Steel	IP287	-	0%
Aluminium	-	-	Discoloration
Copper	-	-	Pass through
Foam Performance	IP312	s	5
Refractive meter reading	-	-	1.5

Note: Above are typical data, not represent specifications. If in need, MSDS is available, you can obtain information about storage, safety operation and handling. The data above is as accurate as possible, but may change based on future formula change.