



## 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.

### Application:

Suitable material:

Suitable for ferrous metals, low and medium alloy steel, copper and some aluminum parts.

Processing method:

Suitable for many kinds of machining methods, such as turning, milling, drilling and surface grinding. 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	Cast iron	Low carbon steel	High carbon steel	Nonferrous Metal
Turning	6%	6%	6%	6%
Milling	6%	6%	6%	6%
Drilling	6%	6%	6%	6%
Tapping	8%	8%	8%	8%
Grinding	4%	4%	5%	5%
Sawing	5%	5%	6%	8%

**Note:** For excellent antibacterial ability, the recommended used concentration is not less than 4%;

### Typical Data (50% additive, 50% water)

Item	Test Method	Unit	Typical Data
Concentration Fluid			
Appearance	BAM 300	-	Transparent green liquid
Density(20° C)	IP365	g/ml	1.0



5% Dilution Solution			
Appearance	BAM 189	-	Semi-transparent green liquid
PH value	BS1647	-	8.5
Antirust (5): Steel	IP287	-	0%
Aluminium	-	-	No rust spot
Foam Performance	IP312	s	15
Refractive meter reading	-	-	20

**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.