



Fully Synthetic Water Soluble Metal Cutting Fluid

●Product Introduction:

T1100 is a type of biological stable full synthetic cutting fluid specially prepared for hard ferrous metals. It is a formula containing no oil, will have good processing performance in hard water and soft water.

●Application:

Suitable material:

Suitable for ferrous metals, copper and had metal material processing, not suitable for aviation aluminium.

●Processing Method:

Suitable for various processing methods, such as turning, milling, drilling, surface grinding, etc.

This product can be widely used for sole machine and central cooling system.

●Features:

- ★ Biological stable formula, long life.
- ★ Low foam, good compatibility with hard water.
- ★ Excellent corrosion inhibit performance.
- ★ It contains special additive, to protect copper not change color.
- ★ Good lubricity performance, can reduce coolant spring out amount, keep tools and parts clean.
- ★ Excellent lubricant and extreme pressure performance, suitable for heavy duty processing.
- ★ Multipurpose product, to reduce the used types of cutting fluids.
- ★ Friendly to operator and environment, low odor.
- ★ Not destroy paint and is compatible with machine tool seals that are commonly used.

●Recommended used concentration:

Process Material Process Method	Cast iron	Low carbon steel	High carbon steel	Stainless steel	Aluminium alloy ADC12	Aluminium alloy ADC12	Aluminium alloy AC2B
Turning	4%	4%	4.5%	5%	4%	4%	6%
Milling	4%	4%	4.5%	5%	4%	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 4%.



Typical Data:

Item	Test Method	Unit	Typical Data
Concentration Fluid			
Appearance	BAM 300	-	Transparent light yellow liquid
Density(20°C)	IP365	g/ml	1.01
5% Dilution Solution			
Appearance	BAM 189	-	Translucent liquid
PH value	BS1647	-	9.1
Antirust Steel	IP287	-	No rust spot
Aluminium			No rust spot
Foam Performance	IP312	s	15
Refractive meter reading	-	-	40

● Package: 200KGS iron drum or according to user requirement.