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## Water Soluble MWF Full Synthetic Multipurpose Cutting Fluid Concentrate T1100

### ●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<br>Material<br>Process<br>Method | Cast iron | Low<br>carbon<br>steel | High<br>carbon<br>steel | Stainless<br>steel | Aluminium<br>alloy<br>ADC12 | Aluminium<br>alloy<br>AC3A | Aluminium<br>alloy<br>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%.



ZHENGZHOU CHORUS COMMERCE AND TRADE CO.,LTD

Email: sales@cn-lubricantadditive.com; Web: www.cn-lubricantadditive.com

Add: No. 11 Changchun Road, Zhengzhou, China; Tel: +86-371-58651986, 13783582233

●**Typical Data:**

| Item                              | Test Method | Unit | Typical Data                   |
|-----------------------------------|-------------|------|--------------------------------|
| Concentration Fluid (Concentrate) |             |      |                                |
| Appearance                        | BAM 300     | -    | Transparent dark yellow liquid |
| Density(20° C)                    | IP365       | g/ml | 1.01                           |
| 5% Dilution Solution              |             |      |                                |
| Appearance                        | BAM 189     | -    | Transparent liquid             |
| PH value                          | BS1647      | -    | 9.1                            |
| Antirust:                         |             |      |                                |
| Steel                             | IP287       | -    | 0%                             |
| Aluminium                         | -           | -    | No rust spot                   |
| Foam Performance                  | IP312       | s    | 15                             |
| Refractive<br>Meter Reading       | -           | -    | 40                             |

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