

# Technical Data Sheet



## Water soluble semi synthetic cutting fluid RLT-F6-55

### Description

It is made of selected lubricating, extreme pressure and anti rust additives. It does not contain harmful substances such as heavy metals, sodium nitrite and phenols. This product has excellent biological stability and strong anti foaming property. At the same time, it has excellent performance of lubrication, rust prevention and cooling. It is suitable for traditional machine tools and flexible machining systems.

It can be used for turning, milling, drilling and grinding of aluminum alloy, cast iron, alloy steel, carbon steel, die steel and other materials.

### Typical physical and chemical properties

Test item	Test method	Technical index
appearance	visual test	Transparent liquid
PH value, 5%wt	PH	8.8~9.2
Rust resistance, (cast iron, 35°C±2°C, RH>95% single tablet for 24h, laminated tablet for 8h)	GB/T 6144	A Grade
corrosivity (55°C ±2°C) , h	steel disc	24h, qualified
	red copper	8h, qualified
	LY12 aluminum	8h, qualified
Defoaming, distilled water	GB/T 6144	The foam is not higher than 2ml after 10min
Nitrite, mg/L	Precision nitrite test paper	none

### Product features

- Good lubrication effect: unique lubricating additives can extend the service life of the tool and improve the surface quality of the workpiece.
- Anti foam performance: scientific formulation can effectively inhibit foam formation and prevent foam overflow.
- Good hard water adaptability.
- Strong rust resistance and has protective effect on non-ferrous metals.
- Good biological stability and long service life.

### Usage

1. After cleaning the container, add the semi synthetic cutting fluid concentrate into water at room temperature, and add it while stirring until a stable aqueous solution is formed. Deionized water or tap water can be used.
2. Recommended concentration: 5% - 10%.