



®

FUKKOL**Nourishment for**
Your Machines

TECHNICAL DATA SHEET

SOLUBLE CUTTING FLUIDS MICROEMULSION BIO CUTTING FLUID FK-4700



Description:

The biostable semi synthetic special cutting fluid FUKKOL FK-4700 is carefully modulated by mineral oil, emulsifier, oil agent, and extreme pressure agent. The product is mixed with water to form a stable semitransparent / transparent microemulsion, without sodium nitrite and phenol. Compared with the traditional emulsion, the product has finer emulsion particles, so it has higher stability. The product has good lubricity, antirust, cooling and anti foam properties. It is suitable for cutting black metal and most nonferrous metals, including car, drill, boring, hinges, grinding and honing.

Products Code	Packings	Capacity
I100437-4L	Can	4L
I100437-18L	Pail	18L
I100437-200L	Durm	200L

Application:

This product is suitable for various machining processes on various machine tools. It is suitable for processing many kinds of metals, including some nonferrous metals. High concentration liquid can be used for difficult machining, such as drilling and tapping.

Performance characteristics:

- No chlorine and sulfur.
- Good cooling and anti foaming performance.
- It is versatile and suitable for most metal processing.
- The antirust property is good.
- The biological resistance is excellent and the working fluid has a long life.
- The workpiece has high gloss and high precision.
- Good lubricity, good metal settling property and long service life.
- It can effectively inhibit the deposition of colored matter in tools and extend the service life of cutting tools.

Typical Physical Properties:

APPEARANCE	VISCOSITY 40°C mm ² /s	PH VALUE 5% diluted solution	SOLUBILITY in WATER	SPECIFIC GRAVITY 25 °C , g/cm ³	Copper corrosion
Brown transparent liquid	40~100	8.5~9.6	3~4	0.85~0.95	1a