

## CUT-525 Fully Synthetic Cutting Fluid for Black Metal

### 【Product Performance】

CUT-525 Fully Synthetic Cutting Fluid for Black Metal, jointly developed by several professional doctoral students, is specially designed for processing black metal, cast iron, carbon steel, 45# steel, stainless steel, and other materials. Formulated with high-quality imported additives, it offers superior lubrication and rust resistance. Its lubricating properties far surpass those of oil-based cutting fluids in the same category, revolutionizing your understanding of synthetic lubricants and oil-based products. It significantly prolongs the lifespan of cutting tools, eliminates the need for workpiece cleaning, facilitates easy disposal, minimizes odors, produces low foam, and is environmentally friendly and skin-friendly, thus greatly reducing labor costs for you. What are you waiting for? This product is your excellent choice for black metal processing!



200L/drum



18L/drum



base oil



after dilution with water

**【product parameters】**

testing items	parameters
appearance of the base oil	Golden yellow and transparent
density	1.05-1.09g·cm <sup>3</sup> (20°)
concentration	30±1
PH value	9±0.5
appearance of the diluted solution	pale yellow, transparent

**【usage method】**

1. Before using this product, clean the oil tank or oil sump thoroughly. It is strictly prohibited to mix with other oils. Stir well before use.
2. Dilution ratio: Concentrate to water = 1: (1:10).
3. The concentration of the working fluid should not be lower than 5. Adjust the concentration of the working fluid appropriately according to different processing techniques, materials, and rust prevention requirements.

Note: For rust prevention, after 3 days, water can be added at a ratio of 10 times; after 7 days, water can be added at a ratio of 5 to 7 times; after 10 to 15 days, water can be added at a ratio of 5 to 3 times.

**【packaging specifications】**

18L per plastic drum, 200L per large iron drum

**【Precautions】**

1. Due to different production batches, there may be color variations in the cutting fluid, which does not affect normal use.
2. This product should be stored in a dry, cool, and ventilated warehouse, and exposure to sunlight and rain should be avoided during storage and transportation.