

CUT-530 Magnesium-Aluminum Alloy Cutting Fluid

【Product performance】

Aluminum-Magnesium Alloy Cutting Fluid CUT-530 is a high-quality cutting fluid specifically designed for the processing of magnesium and aluminum alloys. It contains special additives to eliminate fire hazards during magnesium alloy processing and prevent oxidation and discoloration of magnesium and aluminum alloys. This product offers excellent lubrication and anti-friction properties, has good hard water resistance, and can be used for zinc and its alloys as well as other non-ferrous metals. It has good biological stability, long service life, and is less likely to develop odor.

【Product parameter】

item	Typical data	unit
Appearance, concentrated liquid	Tawny liquid	-
Appearance, diluent	Translucent liquid	-
smell	Mild without pungent odor	-
PH value	8.0-9.0	-
Refraction coefficient	1.5	-
Rust resistance (cast iron filings, nitrite)	0	level
	0	Mg/l

【Performance characteristics】

- **Hard Water Resistance:** Capable of adapting to various water hardness levels, suitable for processing aluminum and aluminum alloys.
- **Suitability for Magnesium and Aluminum Alloys:** Eliminates fire hazards during magnesium alloy processing, effectively prevents oxidation and discoloration of magnesium and aluminum alloys, and does not produce spots.
- **Excellent Lubrication:** Uses high-quality lubricants with superior lubrication and anti-friction properties, effectively addresses tool adhesion issues with non-ferrous metals,

improves product finish and precision, and extends tool life.

- **Biological Stability:** Controls microbial growth, offering good biological stability, long service life, and resistance to odor.
- **Environmental Friendliness:** Free of sulfur, chlorine, and nitrites, meeting environmental requirements and ensuring operator health.

【Mode of use】

Use by diluting with water according to the recommended concentration or actual working conditions.

Recommended concentration ranges:

General Processing: 5~10%

Grinding: 3~5%

Heavy Duty Processing: 8~15%

【Scope of application】

Magnesium, aluminum alloy turning, grinding, milling, drilling and other processing, can also be used for zinc alloy and other non-ferrous metals.

【Packing specification】

18L/ plastic bucket, 200L/ large iron bucket.