

Technical Data Sheet



RLT-FS700 Fully Synthetic Cutting Fluid Additive Package

Description

Fully Synthetic Cutting Fluid Additive Package RLT-FS700 is a long-life, environmentally-friendly fully-synthetic water-based cutting fluid additive package formulated with rust inhibitors, biocides and other functional additives. It features excellent stability and outstanding rust-preventive performance. Dilute it with water at a certain ratio according to actual production requirements before use. The recommended dosage is 50 %. Dosage can be adjusted appropriately according to actual machining conditions.

Performance Features

- Environment- friendly formulation; free of chlorine, phenol and sodium nitrite.
- Outstanding rust-inhibiting performance.
- Good stability of working solution to guarantee extended service life.
- Strong tramp-oil resistance and low-foam property.
- Minimal residue adhesion to keep machine tools clean.
- Good sedimentation performance to prevent metal chips from accumulating on grinding wheels.

Application Scope:

This product is suitable for cutting operations on alloy steel and cast iron. It is applicable to NC, MC and CNC machining centres as well as centralized coolant systems.

Application Procedure:

Add the additive package first, then add water and agitate thoroughly to ensure working-fluid stability.

Typical physical properties

Item	Test Method	Unit	Typical Value
Additive Package			
Appearance	BAM 300	—	Yellow transparent liquid
Density @15 °C	ASTM D1298	kg/L	1.01
Refractive Index Factor	—	—	1.6
Diluted Solution			
Appearance	BAM 300	—	Transparent liquid
pH (5 % diluted solution)	ASTM D1293	—	9.3

Packaging Specification

- Standard packaging: 200L metal drums / 1000L IBC tote tanks
- Net weight per drum: 180 kg; Net weight per IBC: 1000 kg
- Customized packaging specifications are available upon customer request

Storage & Handling

- Store indoors in warehouse conditions
- Protect from direct sunlight
- Prevent water accumulation on drum tops

Disclaimer

All data contained within this TDS are derived from standard laboratory tests for reference only and shall not constitute binding specifications.

Actual product performance will vary depending on formulation, water quality and operating conditions.

Customers shall perform pre-production qualification trials prior to full-scale application.

For further technical support please visit our official website: www.rolitom.com.

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