

RAIMOL LUBRICOOL FS

Fully Synthetic Cutting and Grinding Coolant

Product Description

LUBRICOOL FS is a water-extendable, fully synthetic, cutting fluid developed for cutting and grinding specially made for aluminum. This product was specifically formulated to be bio stable and suit the demand for a coolant with no oil content, very clean operation, highly resistant to rancidity and odor formation.

Applications and Recommendations

MACHINING	DILUTION %
OPERATION	WITH WATER
Cutting	3 – 5
Milling	3 – 5
Drilling	3 – 5
Grinding	2 – 4
Tapping	6 – 10

Note: Concentration may need to be increased when machining harder or difficult to cut materials. Suggested dilution may be adjusted during actual operation for best results. Maybe used for other machining operations.

LUBRICOOL FS is to be mixed with water for use. Always add product concentrate to the water, not water to product concentrate. Product concentration can easily be monitored by refractometer.

DILUTION	REFRACTOMETER READING
10%	3.8 - 4.0
6%	2.0 - 2.4
5%	1.8 - 2.2
4%	1.4 - 1.8
3%	1.2 - 1.6

Performance Features

- The absence of any oil content makes work-pieces very easy to wash or degrease.
- Has very good washing and cleaning action due to surfactant content and does not leave sticky residue that trap chips.
- The mixture with water is transparent and permits excellent work piece visibility.
- Treated with biocides, therefore highly resistant to bacterial and fungal contamination.
- Treated with anti-foam to prevent messy and wasteful overflows.
- Its excellent lubricity extends tool life and gives very good surface finish.

- Does not contain chlorine base biocides and extreme pressure additives that may cause corrosion and skin irritation.
- Does not contain formaldehyde based preservatives that release toxic fumes.
- Excellent results on aluminum and aluminum alloy work-pieces.
- Will not stain sensitive yellow metals like copper and brass.
- Suitable machining operations on both ferrous and non-ferrous materials.

Physical and Chemical Properties

Actual	1:10	1:15	1:20	1:25	1:30	1:40
Ph	9.4	9.4	9.2	9.2	9.1	9.1
R.I	2.6	2.6	1.5	1.5	1	0.6
Appearance	Clear					
Density @,kg/li	1.0					
Color	Green					

Health and Safety

This product will not pose a health or safety hazard if used in the recommended application and when proper industrial safety practices are observed. Wash skin with soap and water after contact. See LUBRICOOL FS MSDS.

Packaging

18 liter pail and 200 liter drum.

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