REXCUT H2000

REXOIL REXCUT H2000 is high-performance microemulsion metalworking fluid is specially formulated for general and medium-duty machining processes on ferrous and non-ferrous metals. Its advanced microemulsion structure ensures excellent cooling, outstanding lubrication, and superior wetting performance. The product provides optimum surface finish, tool life extension, and stable emulsion quality even under demanding operating conditions.

Features and Benefits

- Microemulsion Technology: Provides high stability, transparency, and excellent detergency.
- Superior Cooling: Effectively dissipates heat to improve dimensional accuracy and prevent tool wear.
- Excellent Corrosion Protection: Protects workpieces and machine surfaces during and after operation.
- Low Foaming: Suitable for high-pressure systems and soft/medium-hard water conditions.
- High Washing & Detergency: Keeps machine interiors and parts clean, reduces residue formation.
- Bacteria & Fungi Resistance: Contains advanced biocide package for long sump life and low maintenance.
- Operator Friendly: Low odor, low misting, and free from nitrites, chlorine, and secondary amines.
- Environmental Compatibility: Readily biodegradable components, meets modern HSE standards.

Recommended Concentrations

Operation	Recommended Ratio
❖ Grinding	3 – 6%
❖ Turning	5 – 7%
❖ Milling	5 – 7%
❖ Drilling	5 – 7%
❖ Thread cutting	6 – 8%
❖ Saw cutting	6 – 8%

Increase concentration for improved corrosion protection or severe machining conditions.

Technical Specifications

Test	Method	Typical Properties
Appearance	Visual	Clear, amber liquid
pH (3% emulsion)	ASTM E70	9,2 – 9,6
Density @ 20^{0}C g/ml	ASTM D4052	0,95 – 1,10
Refractometer Factor	-	1,5 – 2,0
Emulsion Stability	ASTM D3707	Excellent

Health and Safety

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Storage & Handling

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

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