

RESCOOL ULTRA

RESCOOL ULTRA is a high oil content, bio-stable, water soluble cutting fluid for applications where maximum EP performance and low foaming are required.

FEATURES - BENEFITS

- Outstanding lubricity and extreme pressure properties.
- Based on, highly developed synthetic ester technology.
- Chlorine-free.
- Free from secondary amines, nitrites and phenols for the most stringent health and safety requirements.
- Low staining potential on aluminium and its alloys.
- Widely used for aerospace applications.
- Forms a stable milky emulsion in waters up to 400ppm CaCO₃ hardness.
- Outstanding resistance to bacterial and fungal degradation.
- Good rejection of tramp oil
- Low foaming characteristics, achieved with only silicone free anti-foams.
- Found to be particularly effective in preventing rusting when machining cast iron.

APPLICATIONS

(Minimum treat rate: 5% in water)

	Turning	Drilling Milling	Sawing	Grinding	Honing	Lapping	Threading	Deep Hole Drilling	Broaching
Steel	π	π	π	π			π	π	
Stainless Steel	π	π	π	π			π	π	
High Alloy Steel									
Titanium									
Carbide									
Cast Iron	π	π	π	π			π		
Copper Alloys	π	π	π	π			π		
Aluminium Alloys < 7% Si	π	π	π	π			π	π	
Aluminium Alloys > 7% Si	π	π	π	π			π	π	
Plastic	π	π	π	π					

Water hardness should be checked to determine running concentrations.
Consult your RES Lubricants Sales Engineer.

TYPICAL PROPERTIES

Appearance	Forms a milky emulsion in water
Specific Gravity @ 15°C	0.92
Viscosity @ 40°C (mm ² /sec)	150-300
pH (5% solution)	9.0-9.4
IP 287 Breakpoint	40:1
IP 125 Corrosion Test	50:1

FLUID MAINTENANCE

Refractive Index: - 1.05 = % / °Brix

<u>Refractometry data for Sarcool Ultra</u>	
<u>Refractometer reading</u>	<u>Actual Concentration</u>
0	0
1	1.05
2	2.10
3	3.15
4	4.20
5	5.25
6	6.30
7	7.35
8	8.40
9	9.45
10	10.50
11	11.55

STORAGE, SAFETY AND DISPOSAL

RES Lubricants can supply this quality product in 205 lt drums, in 25 lt containers and in 1,000 lt IBC's.
Other packages can be made available by RES Lubricants upon request.

RESCOOL ULTRA should be stored in dry conditions and protected from extreme temperatures: 4-35°C is the recommended storage temperature.

RESCOOL ULTRA is unlikely to present any significant health or safety hazard when used as recommended by RES Lubricants. Good standards of personal and industrial hygiene are to be maintained by the user (see Material Safety Data Sheets). In order to protect the environment, the product used should be safely disposed by a licensed contractor. The packaging material should be handled by a recognised reconditioning firm.

Prior to using this product, consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.
The information contained herein is based on data available to us and is believed to be accurate.

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RES Lubricants assumes no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of RES Lubricants

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