SARCOOL MULTI

Last Updated: 09.01.2025
Product Code: IC0005

SARCOOL MULTI is a multi-functional, semi-synthetic soluble cutting fluid concentrate which produces a transparent micro-emulsion when diluted in water, and designed for use across a wide range of applications.

APPLICATION

Specifically developed for its versatility across a wide range of materials and applications. It is suitable on most ferrous and non-ferrous materials including cast iron and carbon steel, through to aluminium alloys and stainless steel. Machining applications range from light duty grinding to high speed CNC milling, turning, drilling, tapping and threading operations.

BENEFITS

- Formulated with a blend of synthetic and natural esters for exceptional machining performance.
- Excellent inhibition properties against staining of many non-ferrous metals, including copper and its alloys and aluminium and its alloys, to provide true multi-metal capability.
- Highly resistant to bacterial and fungal degradation.
- Excellent corrosion inhibition to ferrous metals.
- Exceptional low-medium severity performance characteristics across a wide range of applications.
- Chlorine, nitrite and phenol free formulation for optimum operator acceptability.
- Very low foaming tendency.

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Grinding	3% – 5%
Light Duty	4% – 6%
Heavy Duty	6% – 8%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Translucent
pH (5% emulsion)	9.2 – 9.4
IP 287 Breakpoint	2.0%
Mineral Oil Content	Medium
Refractometer Conversion Factor	1.4
Make Up Water Hardness	50 – 450 ppm

FLUID MAINTENANCE

To check and maintain fluid concentration a refractometer is recommended, the resulting reading multiplied by the refractometer conversion factor will give the actual concentration strength. Maintaining a consistent concentration is paramount to prolonging the fluid sump life. To promote long service life, it is strongly advised that coolant systems are thoroughly sterilised with a System Cleaner prior to coolant changes (see Sarsol System Cleaner Technical Data Sheet for further information and guidelines).

Further tests for bacteria, fungus, pH and tramp oil contamination are available through our Cooltrak Fluid Management Service. This service offers guidance and assistance for users to comply with current HSE legislative requirements. Please contact us for further details.

SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)
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HEALTH & SAFETY, STORAGE AND DISPOSAAL

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.

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