

Last Updated: 30.10.2017  
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.

## 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.

## APPLICATION

Recommended treat rate 4-10% in water, depending on severity of application, local water hardness etc.  
For most general purpose work, a treat rate of 4-6% is normally acceptable. Minimum treat rate 4% in water.

Water hardness should be checked to determine optimum running concentrations, please consult your SAR Lubricants Sales Engineer for further details.

## TYPICAL PROPERTIES

Concentrate Appearance:	Amber liquid
Emulsion Appearance:	Translucent water-white micro-emulsion
pH (5% emulsion):	9.2 - 9.4
IP 287 Corrosion Breakpoint:	2.0%
Reichert Lubricity Characteristics (at 10% dilution) - Noise Reduction (metres):	31.0
Load Bearing Capacity (kg/mm <sup>2</sup> ):	1.555

## FLUID MAINTENANCE

Refractive Index: - 1.40 = % / ° Brix

<u>Refractometry data for Sarcool Multi</u>	
<u>Refractometer reading</u>	<u>Actual Concentration</u>
0	0
1	1.40
2	2.80
3	4.20
4	5.60
5	7.00
6	8.40
7	9.80
8	11.20
9	12.60
10	14.00
11	15.40

## HEALTH & SAFETY, STORAGE AND DISPOSAL

**SARCOOL MULTI** should be stored in dry conditions and protected from extreme temperatures: between 4°C and 35°C is the recommended storage temperature.

**SARCOOL MULTI** is unlikely to present any significant health or safety hazard when used as recommended by SAR 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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