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Product Code: IC 0689

**SARCOOL ULTRA LF** is a biocide-free, high lubricity, heavy duty, soluble cutting fluid designed for arduous machining of tough ferrous and non ferrous alloys. The products unique combination of raw materials provides superb machining performance and is passivated to be non-staining when in contact with sensitive alloys.

Sarcool Ultra LF has been specifically designed with outstanding lubricity characteristics ensuring it is suitable for use across a wide range of applications and metal alloys including all steels, aluminum, yellow metals and aerospace alloys. It is the perfect choice for machine shops where they are a wide range of applications and materials including heavy duty machining operations.

This advanced product meets the latest HSE guidelines for metalworking fluids, whilst being very robust and gives extended service life it is free from biocide and therefore is formaldehyde free.

All the materials used in the formulation of this product are registered under REACH.

REACH ([EC 1907/2006](#)) aims to improve the protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances. This is done by the four processes of REACH, namely the registration, evaluation, authorisation and restriction of chemicals.

## BENEFITS

- Outstanding sump life
- Superior corrosion protection
- Multi-metal compatible
- Soft - medium water tolerant
- Excellent tramp oil rejection
- Chlorine, biocide, formaldehyde free
- Low foaming in very soft water
- Secondary amine
- High operator acceptance
- Extremely versatile
- Non-staining on most yellow metals
- Compliant with TRGS-611

## SUGGESTED OPERATING DILUTIONS

- Moderate duty machining: 4 – 6%
- General machining: 6 – 8%
- Heavy duty machining: 8 – 10%

## TYPICAL PROPERTIES

- Emulsion: Milky White
- pH of 5% emulsion: 9.0 – 9.4
- Specific gravity: 0.95

## CONCENTRATION

To check and maintain fluid concentration a refractometer is recommended, the resulting reading multiplied by a factor of 1.0 will give the actual concentration strength.

## HEALTH & SAFETY, STORAGE AND DISPOSAL

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

**SARCOOL ULTRA LF** 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.

HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA. THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT.

# Technical Data Sheet

**SAR** Lubricants

SAR 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 SAR Lubricants

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