SARCOOL XT

Last Updated: 09.01.2025
Product Code: ICRD001

SARCOOL XT is the latest in chlorine free technology offering significant advantages in performance without the use of chlorinated additives. It is inherently low foam and is excellent in medium to hard water. It is suitable for use on a wide range of difficult materials and is a perfect choice for aerospace and high technology manufacturing.

Formulated to incorporate the latest performance additives; the product exhibits excellent lubricity characteristics to provide both good tool life and surface finish. The product is highly resistant to bacteria formation and exhibits excellent corrosion resistance whilst maintaining machine cleanliness and operator acceptability.

APPLICATION

The product provides unrivalled cutting performance and can be used in all types of arduous manufacturing applications. The performance additives incorporated into the fluid provides outstanding surface finish on all types of aluminium and associated alloys as well as steels and titanium. The unique formulation prevents scum and soap formation associated with more reactive materials.

BENEFITS

- Compatible with medium to very hard water qualities up to 450 – 500ppm calcium carbonate.
- Highly resistant to bacterial and fungal degradation.
- Excellent corrosion inhibition to ferrous metals.
- Good resistance to contact corrosion thus allowing work pieces to be stacked without staining occurring.
- Exceptional inhibition properties against staining of many non-ferrous metals, including copper and its alloys and aluminium and its alloys.
- Chlorine, secondary amine, nitrite and phenol free formulation for optimum operator acceptability.
- Extremely low foaming tendency.

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Light Duty	5.0% – 6.0%
Medium Duty	7.0% – 8.0%
Heavt Duty	8.0% – 10.0%
Design Concentration Range	3.0% – 10.0%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Milky beige
pH (4% emulsion)	9.2 – 9.4
IP 287 Breakpoint	2.0%
Mineral Oil Content	High
Refractometer Conversion Factor	1.01
Make Up Water Hardness	50 – 450 ppm

FLUID MAINTENANCE

SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)
Gill Bridge Oil Works, Lowlands Road, Mirfield, WF14 8LU, England
Tel: +44 (0)1924 494371 | Email: enquiries@sarlubricants.co.uk
Registered in England: 05866783 VAT Registration No: 889171963

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.

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.