SARSOL 102 W

Last Updated: 09.01.2025
Product Code: MW0102

SARSOL 102 W is the latest in boron and formaldehyde free technology for general purpose machining, forming and roll forming applications. This formulation contains high levels of synthetic ester lubricity, offering significant advantages in performance without the use of chlorinated additives. It is inherently low foam and is excellent in soft to medium hard water and is suitable for use on a wide range of materials including all ferrous and non-ferrous materials and is passivated against staining on galvanised steel, copper, brass and sensitive aluminium alloys.

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

General machining, metal forming and roll forming applications where the product comes into contact with sensitive materials such as galavansied steel, (does not cause white rust deposits), zinc coated and all yellow metals.

BENEFITS

- Soft – Medium water tolerant
- Boron, chlorine, secondary amine, formaldehyde free
- Excellent corrosion protection
- Long sump life
- Non-staining of sensitive non-ferrous metals
- Multi-metal compatible
- Low foaming
- Excellent surface finish.

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
pH (4% emulsion)	9.2 – 9.4
IP 287 Breakpoint	4.0%
Mineral Oil Content	High
Refractometer Conversion Factor	1.0
Make Up Water Hardness	50 – 250 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.