SARCOOL ML-FF

Last Updated: 03.09.2026
Product Code: IC0706

SARCOOL ML-FF is a unique semi synthetic high performance rolling and forming fluid designed to produce a wide variety of tube and sheet from galvanised, aluminium, mild steel through to stainless steel materials. Suitable for use in both soft and hard water the product is truly a 'multi-metal' fluid and is the perfect choice for all modern tube and sheet manufacturing. SARCOOL ML-FF is formulated with specially selected raw materials to provide a lower starting point conductivity than other fluid types and contains a unique blend of additives which provides additional rust preventative properties against white rust on galvanised materials and corrosion on mild steels. The unique formulation prevents scum and soap formation associated with more reactive materials and has outstanding tramp oil rejection properties which means excellent cleanliness of the machine system can be maintained.

APPLICATION

Applications — Producing tube from wide variety of strip.

- Galvanised tube
- Mild steel tube
- Aluminium tube
- Stainless steel tube
- Sheet rolling of ductile materials
- Metal forming

Industries — aerospace, automotive, construction, compressor, energy, oil, gas, marine, machine tool manufacturers and medical

BENEFITS

- Free from; Formaldehyde, Chlorine, NP Ethoxylates, Secondary Amines.
- Ultra-low foam / low misting characteristics.
- Significant cost reduction through long service life.
- Excellent bio stability and corrosion protection.
- Reduced risk of white corrosion.
- Low conductivity.
- Clean running resists soap formation.
- Operator friendly.
- Excellent environmental profile.

TYPICAL PROPERTIES

Colour (Concentrate)	Amber
Emulsion (Appearance)	Micro
IP287 Corrosion Break Point %	2.5%
pH (Concentrate as Range)	9.5 – 10.0
pH (Typical Operating as Range)	8.8 – 9.5
Coolant Refractometer Factor	1.7
Oil Content	25%

Recommended Metalworking Concentrations

Light duty	5.0% – 6.0%
Moderate duty	6.0% – 8.0%
Heavy duty	8.0% – 10.0%
Design Concentration Range	5.0% – 10.0%

SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)
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Registered in England: 05866783 VAT Registration No: 889171963

HEALTH & SAFETY, STORAGE AND DISPOSAL

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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