SARCOOL ECO 4778

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Product Code: IC0347

SARCOOL ECO 4778 is an extremely adaptable high performance, biocide free, chlorine free, biostable semi- synthetic, high lubricity micro-emulsion water mix cutting fluid offering truly universal multi-metal compatibility.

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 and comply with TRGS611, being free of secondary amines.

APPLICATION

Sarcool ECO 4778 has been specifically designed with outstanding lubricity characteristics ensuring it is suitable for use across a wide range of applications and metal alloys without the requirement for traditional extreme pressure additives. An excellent choice for machine shops attempting to find one product to meet the challenges of the entire facility. Suitable for use in demin – soft – medium water qualities.

BENEFITS

- Outstanding sump life
- Low foaming
- Superior corrosion protection
- Chlorine, biocide free
- Multi-metal compatible
- High operator acceptance
- Soft – medium water tolerant
- Excellent tramp oil rejection .
- Clean running on cast iron.
- Non-staining on aluminium alloys.

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Light – Moderate Duty	5.0% – 6.0%
Heavy Duty	6.0% – 8.0%
Design Concentration Range	3.0% – 10.0%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Semi translucent
pH (5% emulsion)	9.2 – 9.4
IP 287 Breakpoint	2.0%
Mineral Oil Content	Medium
Refractometer Conversion Factor	1.4
Make Up Water Hardness	0 – 250 ppm

FLUID MAINTENANCE

To check and maintain fluid concentration a refractometer is recommended, the resulting reading multiplied by the refractometer

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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.