SARCOOL ECO 2425

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SARCOOL ECO 2425 is a biocide-free, formaldehyde free, soft to medium water, high lubricity micro-emulsion coolant. This chlorine free semi-synthetic metalworking fluid will perform extremely well on multi-metal applications and is machine tool friendly with extremely low foaming properties in very soft water conditions. The product is highly resistant to bacteria formation and exhibits excellent corrosion resistance whilst maintaining machine cleanliness and operator acceptability.

APPLICATION

SARCOOL ECO 2425 forms a micro emulsion when mixed and is suitable for use on cast iron and carbon steel but is also a proven performer on most aluminium alloys. Machining applications range from light duty grinding to high speed CNC milling, turning, drilling, tapping and threading operations in very soft to medium hardness water qualities.

BENEFITS

- Biocide free technology.
- Excellent in soft – medium hardness water.
- Low foam.
- Outstanding sump life.
- Suitable for most aluminium alloys
- Clean running on cast iron.
- Excellent tramp oil rejection.
- Superior corrosion protection.

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Light Duty	4.0% – 5.0%
Moderate Duty	6.0% – 8.0%
Heavy Duty	8.0% – 10.0%
Design Concentration Range	3.0% – 10.0%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Semi translucent
pH (4% emulsion)	9.0 – 9.4
IP 287 Breakpoint	2.5%
Mineral Oil Content	Medium
Refractometer Conversion Factor	1.5
Make Up Water Hardness	50 – 220 ppm

FLUID MAINTENANCE

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).

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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.