SARCOOL ECO 3600

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Product Code: IC0360

SARCOOL ECO 3600 is a biocide-free, high lubricity, semi synthetic, micro-emulsion coolant designed for arduous machining of tough ferrous and non ferrous alloys. The products unique combination of raw materials provides superb machining performance and is heavily passivated to be non-staining when in contact with sensitive copper alloys.

APPLICATION

Sarcool ECO 3600 has been specifically designed with outstanding lubricity characteristics ensuring it is suitable for use across a wide range of applications and metal alloys including all steels, aluminum, yellow metals, sensitive and special coated alloys. It is the perfect choice for machine shops where they are machining sensitive brass and copper alloys.

BENEFITS

- Outstanding sump life
- Low foaming
- Superior corrosion protection
- Chlorine, biocide, formaldehyde free
- Multi-metal compatible
- High operator acceptance
- Soft and hard water tolerant
- Excellent tramp oil rejection .
- Extremely versatile.
- Non-staining on most yellow metals.

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Light – Medium Duty	4.0% – 6.0%
Heavy Duty	6.0% – 8.0%
Very Heavy Duty	8.0% – 10.0%
Design Concentration Range	4.0% – 10.0%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Milky
pH (5% emulsion)	9.1 – 9.3
IP 287 Breakpoint	2.5%
Mineral Oil Content	Medium
Refractometer Conversion Factor	1.0
Make Up Water Hardness	50 – 400 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).

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.