MULTIGRIND BS

Last Updated: 09.01.2025
Product Code: IF0406

MULTIGRIND BS is a multi-functional, semi-synthetic metal process fluid which produces a translucent micro emulsion when diluted in water. Formulated as a true rationalisation product, it will perform in a wide range of applications, and incorporates the latest non-staining performance additives to ensure complete multi-metal compatibility. When mixed with water it produces a micro emulsion which allows for excellent visibility for the machine operator, and has a low foaming tendency which allows for use in the most arduous modern day machining centres.

APPLICATION

Multigrind BS is based upon synthetic and natural esters in order to provide excellent machining performance across a wide range of applications and metals.

BENEFITS

- Based upon renewable technology.
- Excellent medium severity performance characteristics.
- Chlorine free.
- Secondary amine free.
- NP Ethoxylates free.
- Multi-functional.
- Low foaming tendency.
- Multi-metal compatible.
- Good levels of boundary lubrication.

PERFORMANCE PROFILE

Recommended Metalworking Concentrations

Grinding	3.0% – 5.0%
Light – Moderate Duty	5.0% – 7.0%
Heavy Duty	8.0% – 10.0%
Design Concentration Range	3.0% – 10.0%

TYPICAL PROPERTIES

Appearance (Concentrate)	Amber liquid
Appearance (Emulsion)	Translucent
pH (4% emulsion)	9.7
IP 287 Breakpoint	2.5%
Mineral Oil Content	Low
Refractometer Conversion Factor	2.1
Make Up Water Hardness	50 – 230 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

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.