

Last Updated: 21/11/2017
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.

Recommended concentration for grinding is 3%, general machining 5-7% and dilutions can be increased for more arduous operations.

FEATURES & 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

TYPICAL PROPERTIES

Appearance	Amber liquid, forms a micro water white emulsion in water
pH (4% emulsion)	9.7
IP 287 Breakpoint	2.5%
Mineral Oil Content	Medium

FLUID MAINTENANCE

Refractive Index: - 2.33 = % / ° Brix

<i>Refractometry data for Multigrind BS</i>	
<i>Refractometer reading</i>	<i>Actual Concentration</i>
0	0
1	2.33
2	4.66
3	6.99
4	9.32
5	11.65
6	13.98
7	16.31
8	18.64
9	20.97
10	23.33

HEALTH & SAFETY, STORAGE AND DISPOSAL

MULTIGRIND BS should be stored in dry conditions and protected from extreme temperatures: between 4°C and 35°C is the recommended storage temperature.

MULTIGRIND BS is unlikely to present any significant health or safety hazard when used as recommended by SAR Lubricants. Good standards of personal and industrial hygiene are to be maintained by the user (see Material Safety Data Sheets). In order to protect the environment, the product used should be safely disposed by a licensed contractor. The packaging material should be handled by a recognised reconditioning firm.

Prior to using this product, consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues. The information contained herein is based on data available to us and is believed to be accurate.

HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA. THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT.

SAR Lubricants assumes no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of SAR Lubricants