



TECHNICAL DATA

GB KUTIGRIND

An inherently low foaming medium to high performance synthetic watermix grinding fluid

APPLICATIONS

GB KUTIGRIND has been specifically formulated to allow rapid fines separation and to minimise the occurrence of sticky residues and is a major advance in fluidity and mobility of residual film. The product's low foaming tendency in soft water is coupled with excellent stability in high chloride water and the ability to settle rapidly fine metallic particles and grinding wheel debris.

GB KUTIGRIND displays high levels of resistance to bacterial and fungal attack and will retain its excellent performance over a long working life.

The corrosion performance has been further enhanced, thus giving additional operator confidence and highly cost effective dilutions, but not at the expense of residue formation.

MATERIAL COMPATIBILITY

GB KUTIGRIND is suitable for machining a wide variety of ferrous and non-ferrous materials.

WATER COMPATIBILITY AND PRODUCT MIXING

GB KUTIGRIND is suitable for a wide water hardness range, typically between 50ppm and 350ppm. GB Lubricants Ltd recommend the use of automated mixing systems; however, when mixed manually, the water should be agitated whilst the concentrate is added. The emulsion strength should always be checked prior to application, using a calibrated refractometer. Details of where to purchase equipment and how to use it are available from the GB Lubricants Technical Department.

CONCENTRATIONS

APPLICATION	%
Surface and Cylindrical Grinding	2 – 3
Centreless Grinding	3 - 5

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GB LUBRICANTS

Albany Road Gateshead NE8 3BP
Tel: 0191 490 4312
Fax: 0191 477 9544
e-mail: gblsales@gb-lubricants-fuels.co.uk
www.gb-lubricants-fuels.co.uk

A division of Goodall Bates & Todd Ltd



Q 06093
ISO 9001



EMS 72776
ISO 14001



OHS 88475
OHSAS 18001

CHARACTERISTICS

CONCENTRATE		EMULSION	
TEST	TYPICAL PHYSICAL CHARACTERISTICS	TEST	TYPICAL PHYSICAL CHARACTERISTICS
Appearance	Clear Yellow Fluid	Appearance	Fluorescent Green
Specific Gravity at 20°C	1080 - 1130	pH at 3%	9.3 – 9.5
Mineral Oil Content	0%	Cast Iron Corrosion Test	2.0% BP
		Refractometer Factor	1.8
		Defoam ml (3% in 50 ppm water)	Nil (15 seconds)

STORAGE, HANDLING AND SHELF-LIFE

GB KUTIGRIND should be stored under cover and protected from extreme temperatures (below 0°C and above 30°C.) Avoid water collecting in the rim of upturned barrels. GB KUTIGRIND has a shelf life of six months from the date of supply.

HEALTH, SAFETY AND THE ENVIRONMENT

GB KUTIGRIND is classified as hazardous under current UK Health & Safety and Environmental Legislation and should only be used in the application for which it is intended. It is free from Chlorine, Sulphur, Sodium Nitrite, Phenols, Secondary Amines and Triazines.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, www.environment-agency.gov.uk, as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations and specifications, without prior notice.