



# TECHNICAL DATA

## **GB KUTIGRIND FF**

High performance fully synthetic watermix grinding fluid.

## **APPLICATIONS**

GB KUTIGRIND FF has been specifically formulated as a formaldehyde release biocide free watermix grinding fluid suitable for surface and cylindrical grinding of all ferrous and non-ferrous materials including yellow metals.

GB KUTIGRIND FF offers superb low foam performance coupled with an extremely long service life. During use, sticky residues around the machine tool are minimised.

## **MATERIAL COMPATIBILITY**

GB KUTIGRIND FF is suitable for machining a wide variety of ferrous and non-ferrous materials, including cast irons, steel alloys, stainless steel, aluminium alloys, yellow metals ceramics and glass.

## **WATER COMPATIBILITY AND PRODUCT MIXING**

GB KUTIGRIND FF is suitable for a wide water hardness range, typically between 50ppm and 350ppm. GB Lubricants 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	3 - 4
Plasma cutting	5 - 6

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## **GB LUBRICANTS**

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Integrated Management System  
PAS 99 IMR 560337  
ISO 9001  
ISO 14001  
OHSAS 18001

**CHARACTERISTICS**

CONCENTRATE		EMULSION	
TEST	TYPICAL PHYSICAL CHARACTERISTICS	TEST	TYPICAL PHYSICAL CHARACTERISTICS
Appearance	Green-Brown fluid	Appearance	Translucent Green
Density	1056 kg/m <sup>3</sup>	pH @ 5%	9.4
Mineral Oil Content	0%	IP 287 Corrosion Test	2.5%
		Refractometer Factor	3.5

**STORAGE, HANDLING AND SHELF-LIFE**

GB KUTIGRIND FF should be stored under cover, preferably inside, out of direct sunlight and protected from extreme temperatures (below 0°C and above 30°C.) Avoid water collecting in the rim of upturned barrels.

Further information on GB KUTIGRIND FF can be obtained by referring to the corresponding Safety Data Sheet.

***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 without prior notice.***