



TECHNICAL DATA

GB KUTILUBE 3 FF

A semi-synthetic, soluble cutting fluid, which when mixed with water, produces a semi-translucent emulsion.

APPLICATIONS

GB KUTILUBE 3 FF is a low oil content product, free from formaldehyde release biocides. This robust coolant has been formulated to give long service life, even when used under difficult conditions. GB KUTILUBE 3 FF is used for general purpose surface, cylindrical and centreless grinding, sawing, turning, milling, drilling and most chip-forming operations on easy to medium machining operations. Low foaming ensures suitability for high and low pressure CNC systems.

MATERIAL COMPATIBILITY

GB KUTILUBE 3 FF is designed for machining a wide variety of materials, including mild steel, cast iron, stainless steel, aluminium, yellow metals and other materials which are moderately easy to machine.

WATER COMPATIBILITY AND PRODUCT MIXING

GB KUTILUBE 3 FF is suitable for a wide water hardness range, typically between 50 and 350 ppm. GB Lubricants recommend the use of automated mixing systems; however, when mixed manually, the water should be agitated whilst adding the concentrate. 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	%
Sawing, Turning, Milling and Drilling	4 – 6
Tapping and Threading	5 – 8
Surface, Cylindrical and Centreless Grinding	3 – 5

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

GB LUBRICANTS

CHARACTERISTICS

CONCENTRATE		EMULSION	
TEST	TYPICAL PHYSICAL CHARACTERISTICS	TEST	TYPICAL PHYSICAL CHARACTERISTICS
Appearance	Blue Liquid	Appearance	Translucent Blue
Density	978 kg/m ³	pH @ 5%	9.4
		IP 287 Corrosion Test %	2.5
		Refractometer Factor	1.4

STORAGE, HANDLING AND SHELF-LIFE

GB KUTILUBE 3 FF should be stored inside or under cover 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 KUTILUBE 3 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.