



TECHNICAL DATA

GB KUTILUBE 3

A bio-stable, semi-synthetic, soluble cutting fluid, which when mixed with water, produces a semi-translucent fluid with medium oil content

APPLICATIONS

GB KUTILUBE 3 has been formulated as a semi-synthetic multi-purpose cutting fluid to give long service, even when used under difficult conditions. GB KUTILUBE 3 is used for general purpose surface, cylindrical and centreless grinding, sawing, turning, milling and most chip-forming operations on easy to medium machining operations.

MATERIAL COMPATIBILITY

GB KUTILUBE 3 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 is suitable for a wide water hardness range, typically between 50 and 350 ppm. If water hardness is outside this range, please consult the GB Lubricants Technical Department. GB Lubricants Ltd 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	%
Grinding, Cylindrical, Centreless and Surface	2 – 4
General Machining	4 – 6
Milling and Threading	5 – 6

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GB LUBRICANTS

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Q 06093
ISO 9001



EMS 72776
ISO 14001



OHS 88475
OHSAS 18001

CHARACTERISTICS

CONCENTRATE		EMULSION	
TEST	TYPICAL PHYSICAL CHARACTERISTICS	TEST	TYPICAL PHYSICAL CHARACTERISTICS
Appearance	Blue Liquid	Appearance	Translucent Blue
Specific Gravity	1020 kg/m ³	pH @ 3%	9.3
Mineral Oil Content %	21	Corrosion Test %	2.0
EP Additives	None	Refractometer Factor	1.3
Flash Point	Not applicable	Flash Point	Not applicable

STORAGE, HANDLING AND SHELF-LIFE

GB KUTILUBE 3 should be stored under cover and protected from extreme temperatures (below 0°C and above 40°C). Avoid water collecting in the rim of upturned barrels. GB KUTILUBE 3 has a shelf-life of six months from the date of supply.

HEALTH, SAFETY AND THE ENVIRONMENT

GB KUTILUBE 3 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 Triazines, Chlorine, Sulphur, Sodium Nitrite and Phenolic C.A.

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.