

BIOCOOL 3220

SYNTHETIC SOLUBLE OIL

DESCRIPTION

BIOCOOL 3220 is a soluble concentrate particularly suited to applications which require advanced cooling properties and good lubricating properties at the same time.

APPLICATIONS

Operations: grinding, milling, sawing, turning, drilling...

BIOCOOL 3220 is recommended for use on ferrous metals, aluminum (including some aeronautical alloys), yellow metals and hard metals.

ADVANTAGES

- Excellent cooling properties.
- Very good lubricating properties.
- Excellent stability and biostability.
- Tramp oils easily removed.
- Excellent sludge decantation.
- Very good protection against corrosion.
- Operator friendly.
- Cleanliness of working environment

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	BIOCOOL 3220
Color	-		Yellow Fluo
Density at 20°C (68°F)	-	ISO 12185	1.07
Water Hardness range recommended	ppm		0 - 600
Break Point Corrosion	%	IP 287	2
pH	-	NFT 60.193	9.6 (5% micro emulsion)

These characteristics are given only for information and can be updated over time.

HEALTH & SAFETY

- Formaldehyde and formaldehyde releaser free
- Product free of labelling
- Chlorine free, nitrite free, secondary amine free, sulphur free, phosphor free
- Operator friendly: good dermatological behavior and easy to use

- Cleanliness of working environment due to the transparency of the solution

RECOMMENDED CONCENTRATIONS OF USE

- Machining of aluminum, yellow metals and hard metals: min 6 %
- Machining of cast iron and low alloyed steels: min 5 %
- Grinding on all metals: min 3 %

INSTRUCTIONS

Before commencing, thoroughly clean the installation with an antiseptic such as the **Contram CB3**. Drain and rinse with water.

It is recommended to add **BIOCOOL 3220** into water gradually whilst stirring to achieve the optimum solution.

For commissioning and efficient use, consult the manual of good practice - **soluble machining fluids**.

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.