



BIOCOOL 3130

METALWORKING FLUID FOR GRINDING OPERATIONS

Synthetic solution

DESCRIPTION

BIOCOOL 3130 is a water soluble metalworking fluid concentrate particularly suited to answer to applications which require advanced deaeration properties and strong cooling power.

APPLICATIONS

Thanks to its specific additives, **BIOCOOL 3130** ensures optimum conditions in all grinding operations: plane, cylindrical, internal and external, on ferrous metals and hard metals.

ADVANTAGES

- Excellent cooling and detergency properties.
- Low foaming product.
- Excellent air release properties.
- Good separation of tramp oils.
- Very good particles settling properties.
- Very good protection against corrosion.
- Excellent bio stability and stability in use.
- Operator friendly.
- Cleanliness of working environment.

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	BIOCOOL 3130
Color	-		Yellow
Density	-	ASTM D4052	1.075
pH	-	NFT 60.193	9.7 at 5 %
Break Point Corrosion	%	IP 287	3
Refractometer Factor	-		3.1
Water Hardness range	ppm		0-800

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

RECOMMENDED CONCENTRATIONS OF USE

- Grinding of iron and steel : 3-6%

HEALTH AND SAFETY

- Formaldehyde releasers free.
- Boric acid, nitrites, MIPA and DEA free, without chlorinated, phosphorous and sulfur additives.
- Operator friendly: good dermatological behavior and easy to use.

The refractometer reading must be multiplied by the refractometer factor to arrive at the real concentration.

INSTRUCTIONS

Before first fill, thoroughly clean the installation with an antiseptic such as **Contram CB3**. Drain and rinse the system with water. If no volumetric mixing system is available, slowly pour **BIOCOOL 3130** into water while stirring continuously to achieve a correct preparation of the emulsion. To ensure the best quality of emulsion and maximize the fluid efficiency, consult **the Good Practices Handbook - Metalworking Soluble Fluids**.

Storage Conditions :

The product should be stored between 5°C and 40°C for best performance. The product should be stored away from direct sunlight and in a cool, covered and dry area.

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.



Important Notice

Information disclosed in this technical data sheet is based on MOTUL's experience and know-how in the development and manufacture of lubricants and other chemical products according to the current state of knowledge.

Any chemical product must be used in the intended application and in accordance with the recommendations provided in its safety data sheet freely consultable via the site <https://www.quickfds.com/fr/>. The performance of our products may be influenced by a series of factors, including conditions of use, application methods, operational environment, pretreatment of components, possible external contamination, etc ... For these reasons, universal recommendation of our products is impossible. The information in the technical data sheet represents general, non-binding guidelines and is given for guidance only. No express or implied warranty is given regarding the properties of the product or its suitability for a given application.

Therefore, we recommend consulting an application engineer to discuss application conditions and product performance criteria before use. It is the user's responsibility to test the functional suitability of the product and to use it under appropriate safety conditions. Our products are subject to continuous improvement with the aim of improving performance or bringing them into compliance with any new and possible regulations concerning them. We reserve the right to change our product lines, our products and their manufacturing processes and any provisions of our publications at any time without notice. This technical sheet cancels and replaces all previous editions.

We expressly draw the attention of any user to the fact that our product has not been designed and tested for use in the field of aeronautics as an "onboard" product or in the field of nuclear power production. Any use that may be made of the product in one of the aforementioned sectors will be under the exclusive responsibility of the user. Any reproduction, whatever its form, requires the prior written consent of MOTUL. All rights reserved.