



SAFKOOL 6210

Micro-Emulsion for Grinding and Machining

SEMI-SYNTHETIC BASE

DESCRIPTION

SAFKOOL 6210 is a water emulsifiable metalworking fluid concentrate dedicated for general purpose machining operations that require high cooling properties. The product is recommended for the grinding and machining of ferrous materials. In certain conditions, the product can also be used for standard machining operations of yellow metals. The product provides enhanced machining performance and surface finish to provide significant cost savings.

APPLICATIONS

SAFKOOL 6210 is a semi-synthetic water soluble oil, which is free from formaldehyde release agents. The product can be used for machining and grinding applications for alloy steel and cast iron metallurgiques. The additive package of Safkool 6210 provides good anti corrosion properties with stable pH.

The product can be used for machining operations of copper alloys. However, we recommend to check the tendency of the alloy to stain before use.

ADVANTAGES

- Excellent cooling properties.
- Excellent bio stability and stability in use.
- Operator friendly.
- Clean working environment.

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SAFKOOL 6210
Color	-		Light Brown
Density	-		1.023
pH	-	NFT 60.193	9.3 at 5 %
Break Point Corrosion	%	IP 287	3
Refractometer Factor	-		1.7
Water Hardness range	ppm		100-500

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



RECOMMENDED CONCENTRATIONS OF USE

- General machining of iron and steel: 4-6%
- Grinding: 3-5%
- Machining of copper alloys: 6-8%

HEALTH AND SAFETY

- Formaldehydes and formaldehydes releasers free
- Nitrites, glycol ether, MIPA and DEA free, without chlorinated or 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 **SAFKOOL 6210** 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, away from direct sunlight under 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

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