

SAFKOOL 6210

Micro-Emulsion for Grinding and Machining

DESCRIPTION

SAFKOOL 6210 is a water emulsifiable metalworking fluid concentrate dedicated for all machining operations that require high cooling properties.

SAFKOOL 6210 is recommended for the grinding and machining of ferrous materials.

In certain conditions, **SAFKOOL 6210** can also be used for standard machining operations on yellow metals.

APPLICATIONS

SAFKOOL 6210 can be used for some 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.
- Cleanliness of working environment.

TECHNICAL INFORMATION

NAME	UNITS	METHOD	SAFKOOL 6210
Color	-	Visual	Amber
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	1.025
Refractometer Factor	-		1.7
Water Hardness range recommended	ppm		200-500
Break Point Corrosion	%	IP 287	2
pH	-	NFT 60.193	9.3 at 5 %

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

HEALTH & SAFETY

- Formaldehydes and formaldehydes releasers free
- Nitrites, glycol ether and DEA free, without chlorinated or sulfur additives

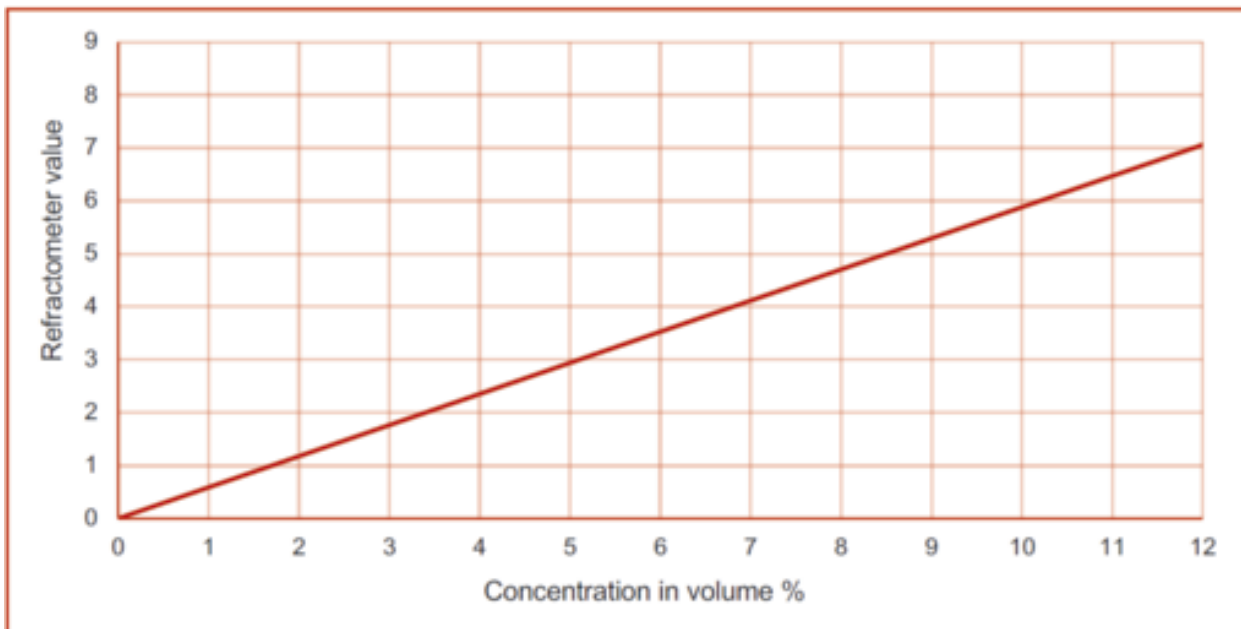
- Operator friendly: good dermatological behavior and easy to use

RECOMMENDED CONCENTRATIONS OF USE

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

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

REFRACTOMETER CURVE



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**.

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.