



## SAFKOOL 6210

Micro-Emulsion for Grinding and Machining

SEMI-SYNTHETIC BASE

### 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

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SAFKOOL 6210
Aspect	-		Liquid
Density	-		1,023.0
pH	-	NFT 60.193	9.4 at 5 %
Break Point Corrosion	%	IP 287	3
Refractometer Factor	-		1.7
Water Hardness range	ppm		200-500

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

### RECOMMENDED CONCENTRATIONS OF USE

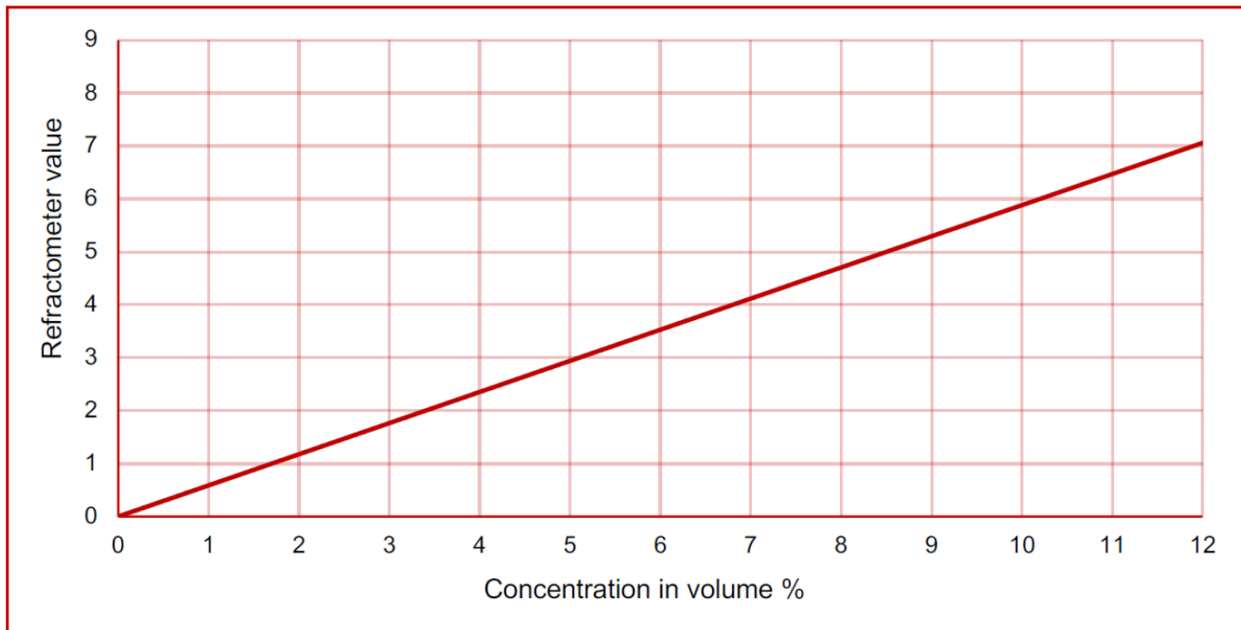
- General machining of iron and steel: 4-6%
- Grinding: 3-5%
- Machining of copper alloys: 6-8%



## HEALTH AND SAFETY

- Formaldehydes and formaldehydes releasers free
- Nitrites, glycol ether and DEA free, without chlorinated or sulfur additives
- Operator friendly: good dermatological behavior and easy to use

## 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.



#### Important Notice

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment. The safety data sheet is available on [www.motul.com](http://www.motul.com).

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary.