

**SAFKOOL 6220**

Micro-Emulsion for Machining

**DESCRIPTION**

**SAFKOOL 6220** is a water emulsifiable metalworking fluid concentrate dedicated for all machining operations that require high cooling properties.

**SAFKOOL 6220** is recommended for the machining of ferrous and non-ferrous alloys, including standard aluminum alloys.

Thanks to its specific additives, **SAFKOOL 6220** is perfectly suitable for dilution in hard and very hard water.

**APPLICATIONS**

**SAFKOOL 6220** can be used for machining of most aluminium and copper alloys.

However, we recommend to check the tendency of the alloy to stain before use.

**ADVANTAGES**

- Excellent lubricating and cooling properties.
- Optimization of surface finish and endurance.
- Excellent bio stability and stability in use.
- Operator friendly.
- Cleanliness of working environment.

**TECHNICAL INFORMATION**

NAME	UNITS	METHOD	SAFKOOL 6220
Color	-	Visual	Brown
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	1.025
Refractometer Factor	-		1.6
Water Hardness range recommended	ppm		200-800
Break Point Corrosion	%	IP 287	2
pH	-	NFT 60.193	9.6 at 5 %

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

## HEALTH & SAFETY

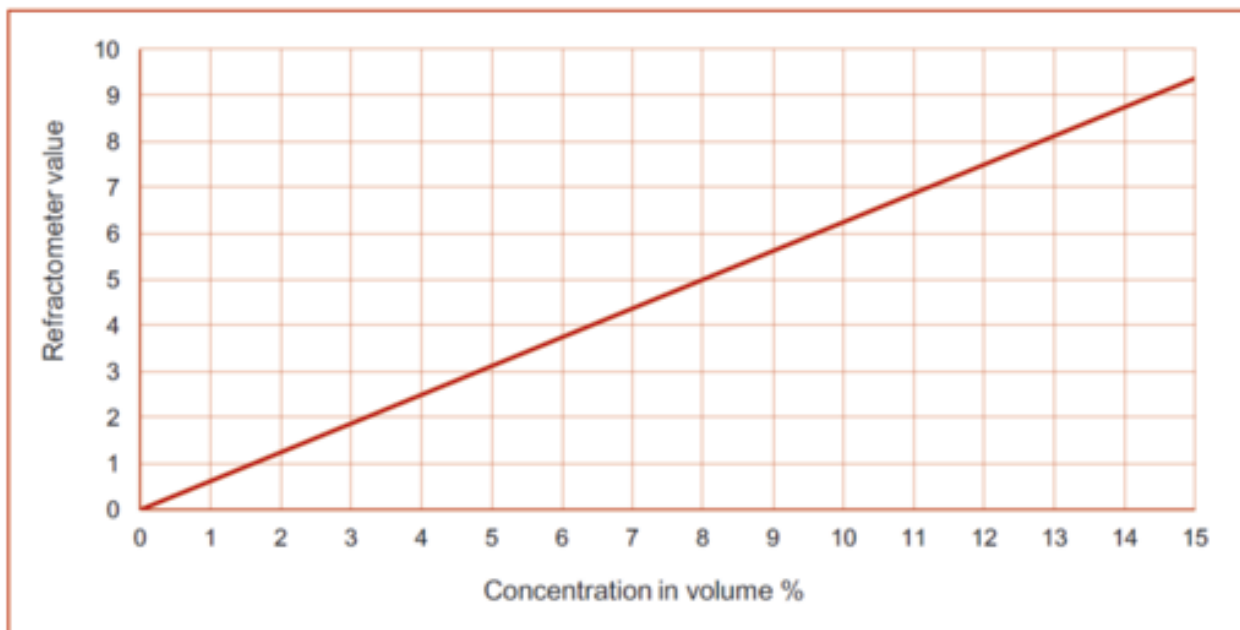
- Bactericide, formaldehydes and formaldehydes releasers free
- Nitrites, glycol ether and DEA free, without chlorinated or sulfur additives
- Operator friendly: good dermatological behavior and easy to use

## RECOMMENDED CONCENTRATIONS OF USE

- General machining of iron and steel: 4-6 %
- General machining of aluminium: 6-8 %
- Machining of copper alloys: 4-6 %
- Heavy duty machining: 8-15 %

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 6220** 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.