

# SAFKOOL 6110

Micro-Emulsion for Grinding and Machining

## DESCRIPTION

**SAFKOOL 6110** is a water emulsifiable metalworking fluid concentrate.

Thanks to its formulation **SAFKOOL 6110** maximizes the cooling power and minimize the fluid consumption per carry-out.

## APPLICATIONS

**SAFKOOL 6110** is a semi-synthetic fluid dedicated for grinding and general machining of cast iron and steel.

## ADVANTAGES

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

## TECHNICAL INFORMATION

NAME	UNITS	METHOD	SAFKOOL 6110
Color	-	Visual	Light Yellow
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	1.027
Refractometer Factor	-		2.5
Water Hardness range recommended	ppm		100-400
Break Point Corrosion	%	IP 287	< 3
pH	-	NFT 60.193	9.7 at 5 %

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

## HEALTH & SAFETY

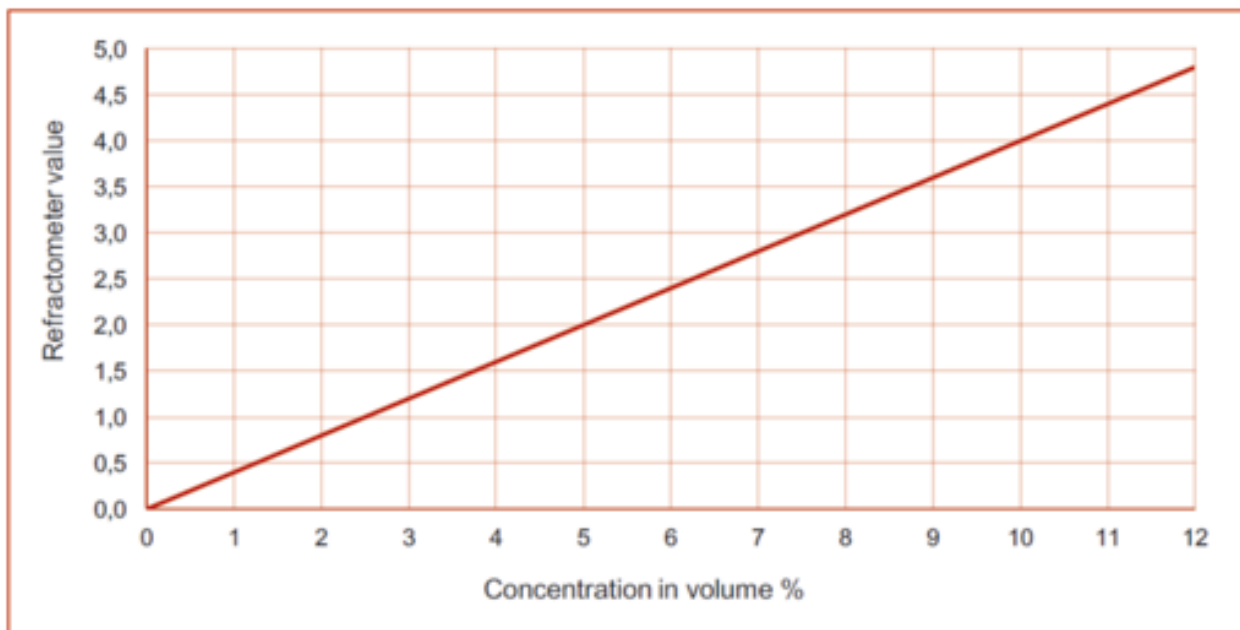
- Formaldehydes & formaldehydes releasers free
- Boric acid, nitrites and DEA free, without chlorinated additives
- Operator friendly: good dermatological behavior and easy to use

## RECOMMENDED CONCENTRATIONS OF USE

- Grinding of cast iron and steel: 3-5 %
- General machining of cast iron: 4-6 %
- General machining of steel: 5-8 %

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 6110** 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.