

SAFKOOL 6817 GR

Boron free Micro-Emulsion for Grinding and Machining

DESCRIPTION

SAFKOOL 6817 GR is a water emulsifiable metalworking fluid concentrate.

Thanks to the excellent lubricity additives and the well balanced emulsifiers used, **SAFKOOL 6817 GR** is a multipurpose product particularly effective on both soft and hard water.

APPLICATIONS

SAFKOOL 6817 GR is a semi-synthetic fluid dedicated for grinding and general machining of cast iron, steel and aluminium.

ADVANTAGES

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

TECHNICAL INFORMATION

NAME	UNITS	METHOD	SAFKOOL 6817 GR
Color	-	Visual	Light Yellow
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	0.997
Refractometer Factor	-		1.5
Water Hardness range recommended	ppm		100-500
Break Point Corrosion	%	IP 287	< 3
pH	-	NFT 60.193	9.9 at 5 % (will drop around 9 after few days of use)

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

HEALTH & SAFETY

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

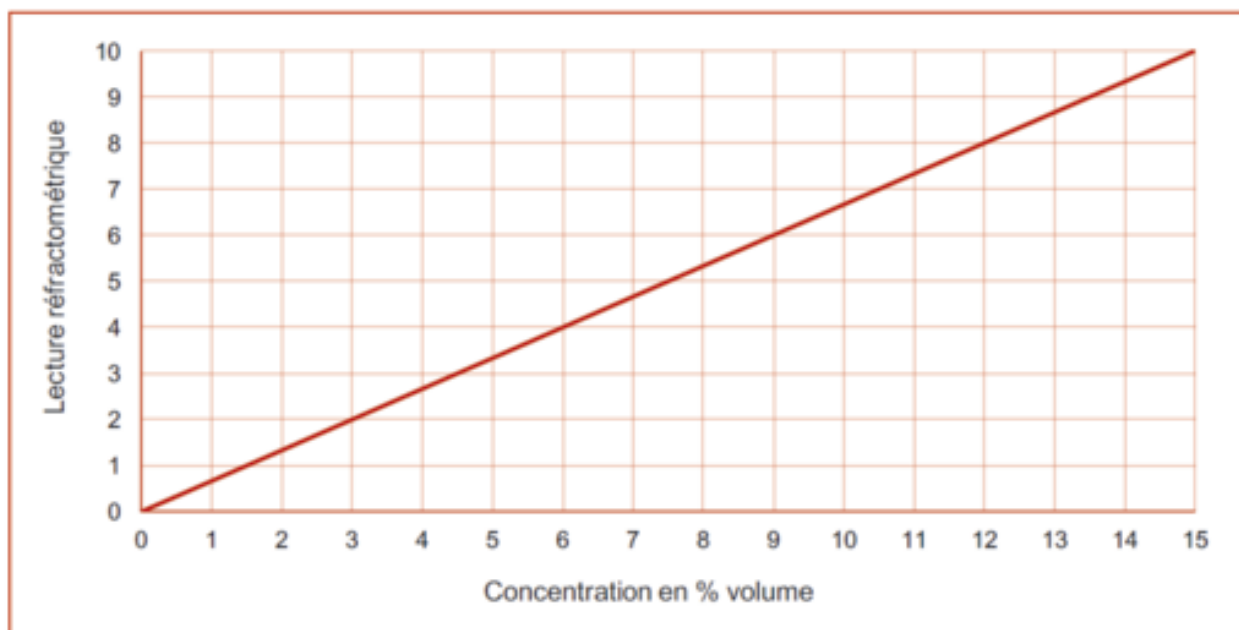
RECOMMENDED CONCENTRATIONS OF USE

- Grinding of aluminium, cast iron and steel: 5-7 %
- General machining of aluminium: 7-10 %
- General machining of iron and steel: 6-8 %

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

We recommend to check the tendency of the alloy to stain with the diluted fluid before use on aluminium alloys.

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 6817 GR** 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.