

STABILIS 9837 AL

BORON FREE EMULSION FOR ALUMINIUM MACHINING

DESCRIPTION

STABILIS 9837 AL is a water emulsifiable metalworking fluid concentrate particularly suited to all machining processes on aluminum, aluminum alloys, steel and stainless steel.

Thanks to the excellent lubricity additives and the well balanced emulsifiers used, **STABILIS 9837 AL** is particularly effective when machining aluminium alloys on both soft and hard water.

APPLICATIONS

STABILIS 9837 AL can be used for machining of most aluminium alloys.

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

ADVANTAGES

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

TECHNICAL INFORMATION

NAME	UNITS	METHOD	STABILIS 9837 AL
Color	-	Visual	Light brown
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	0.953
Refractometer Factor	-		1.0
Water Hardness range recommended	ppm		100-800
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

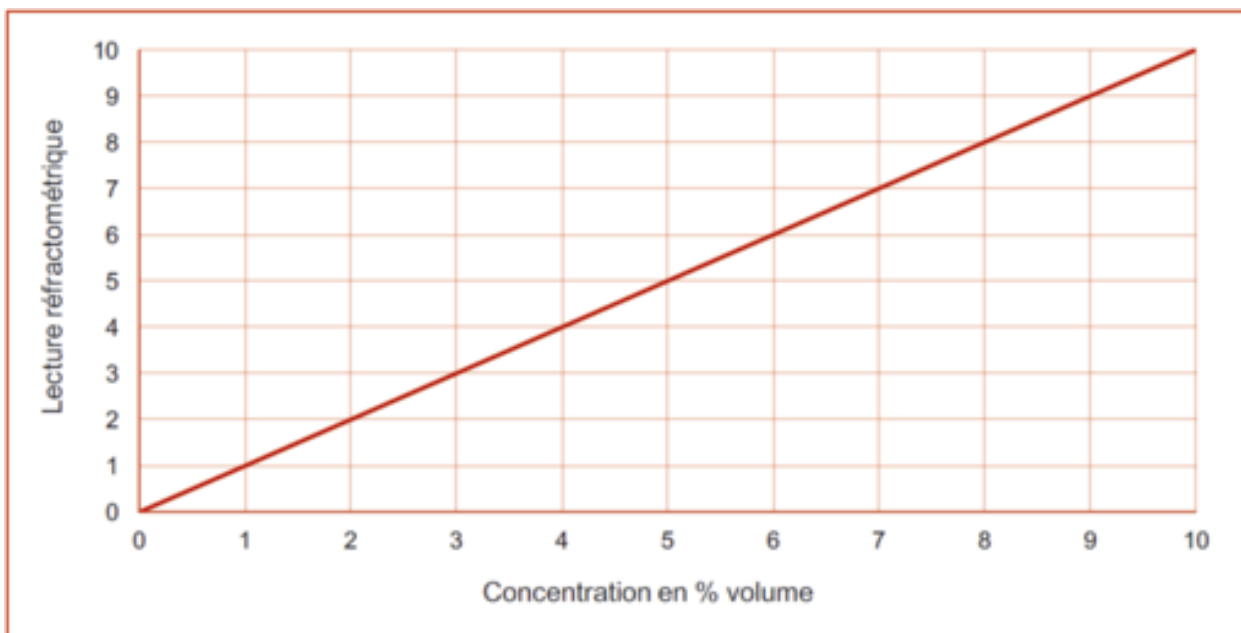
- Formaldehydes and formaldehydes releasers free
- Boron, nitrites and DEA free, without chlorinated additives
- Operator friendly: good dermatological behavior and easy to use

RECOMMENDED CONCENTRATIONS OF USE

- General machining of aluminium: 6-8%
- Tapping / Threading: 8-12%
- Reaming / Sawing 8-15%
- General machining of iron and steel: 5-7%
- Difficult machining of steel: 6-10%

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 **STABILIS 9837 AL** 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.