



## STABILIS 9837 AL

BORON FREE EMULSION FOR ALUMINIUM MACHINING  
MINERAL BASE

### 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

TECHNICAL CHARACTERISTICS	UNITS	METHOD	STABILIS 9837 AL
Aspect	-		Liquid
pH	-	NFT 60.193	9.9 at 5 % (will drop around 9 after few days of use)
Break Point Corrosion	%	IP 287	< 3
Refractometer Factor	-		1.0
Water Hardness range	ppm		100-800

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

### RECOMMENDED CONCENTRATIONS OF USE

- General machining of aluminium: 6-8%

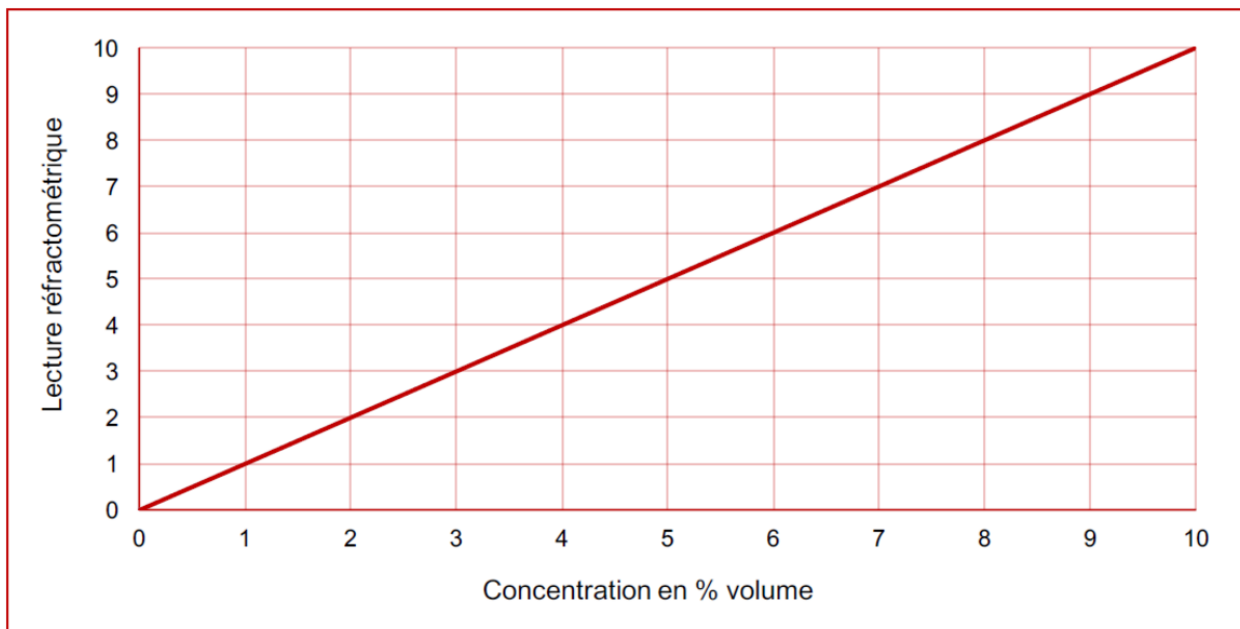


- Tapping / Threading: 8-12%
- Reaming / Sawing 8-15%
- General machining of iron and steel: 5-7%
- Difficult machining of steel: 6-10%

## HEALTH AND SAFETY

- Formaldehydes and formaldehydes releasers free
- Boron, nitrites and DEA free, without chlorinated 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 **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.



#### 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.