

STABILIS 9837 AL

BORON FREE EMULSION FOR ALUMINIUM MACHINING

Emulsion

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.

BENEFITS

- 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

HEALTH & SAFETY

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

RECOMMENDED APPLICATIONS & DILUTIONS OF USE

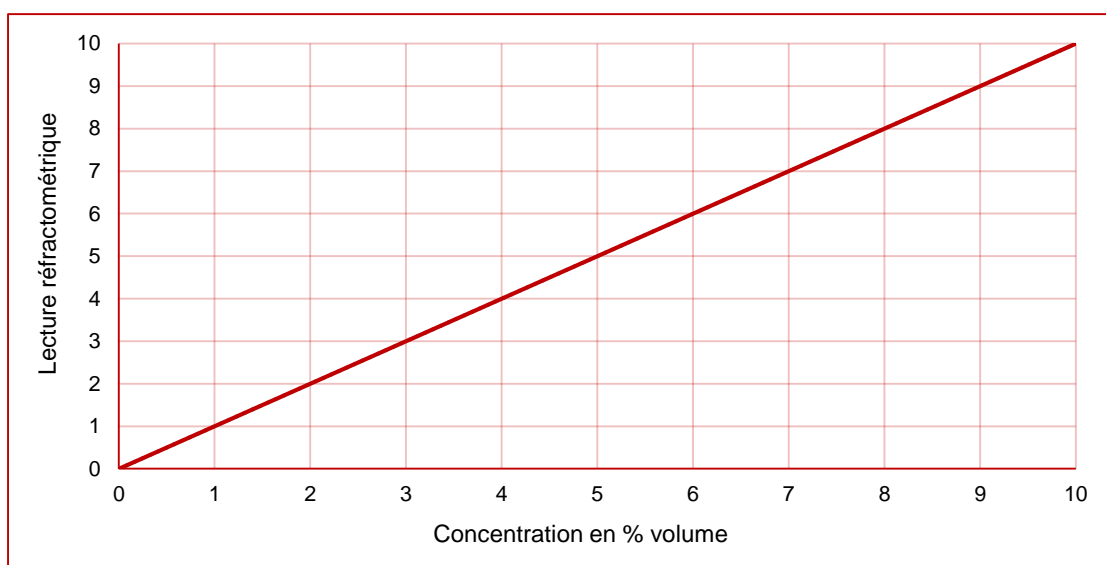
- General machining of aluminium: 6-8%
- Tapping/Threading: 8-12%
- Reaming/Sawing 8-15%
- General machining of iron and steel: 5-7%
- Difficult machining of steel: 6-10%

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

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

TECHNICAL INFORMATION

| TYPICAL CHARACTERISTICS | UNITS | METHOD | STABILIS 9837 AL |
|----------------------------------|-------|------------|---|
| Appearance | | | Light brown liquid |
| Density at 15°C | kg/l | ISO 12.185 | 0.953 |
| pH at 5% | | NFT 60.193 | 9.9 (will drop around 9 after few days of use) |
| Break Point Corrosion | % | IP 287 | <3 |
| Water Hardness range recommended | ppm | | 100 - 500 |
| Refractometer Factor | | | 1.0 |



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**.

SERVICE AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and in-use monitoring of your lubricants. Please contact your technical sales representative

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.

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. The safety data sheet of this product is available at www.motul.com