

STABILIS 9830

MULTIPURPOSE BORON-FREE EMULSION FOR MACHINING

DESCRIPTION

STABILIS 9830 is a high performances water-soluble metalworking fluid concentrate particularly developed for ferrous and non-ferrous alloys, including standard aluminum alloys, nickel, or titanium.

RECOMMENDED APPLICATIONS

STABILIS 9830 is a water emulsifying metalworking fluid concentrate dedicated for all machining operations that require high cooling properties. It is suitable for high-pressure applications up to 70 bar.

STABILIS 9830 is free from formaldehyde-releasing biocides and boron. Thanks to the new formulation, it has good anti-corrosion properties, good buffering effects which provides a stable pH value.

STABILIS 9830 can be used for machining most aluminum and copper alloys too. However, we recommend checking the tendency of the alloy to stain before use.

STABILIS 9830 is homologated by SAFRAN for Aluminum, Tial, Inconel and Titanium machining

Applications: General machining, heavy-duty machining.

ADVANTAGES

- Suitable for heavy duty machining.
- Multipurpose emulsion.
- Free from boron and formaldehyde releasers.
- pH-stable emulsion.
- Excellent stability and biostability in use.
- Reduction of tools wear.
- High pressure compatible (up to 70 bars)

TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	STABILIS 9830
Appearance concentrate	Visual		Clear & yellow
Density at 20°C	ASTM D4052		0.975
pH at 5%	NFT 60-193		9.7
Breakpoint corrosion	IP 287	%	2.5
Water hardness range recommended		ppm	250 - 500
Refractometer factor	M15		1.16

The specifications are given for information purposes only and may need to change.

RECOMMENDED APPLICATIONS & DILUTIONS OF USE

- General machining of iron and steel: 4-6%
- Heavy-duty machining: 6-10%
- Tapping/ Threading: 6-12%
- Reaming/ Sawing: 8-15%
- General machining of aluminum: 6-8%
- Machining of nickel and titanium alloys: 6-12%
- General machining of copper alloys: 4-6%

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

HEALTH AND SAFETY

- Free from formaldehyde-releasers, boron, or chlorinated paraffines.
- Good dermatological behavior and easy to use.
- Recommended environmental temperature : 5 - 40°C / 40 - 105°F.

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 9830** into the water while stirring continuously to achieve a correct preparation of the emulsion.

To ensure the best quality of emulsion and maximize 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 color of the concentrates without altering their 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