MOTUL TECH

DATA SHEET

STABILIS 9910 AL

BORON AND AMINE FREE EMULSION FOR ALUMINIUM MACHINING

Boron free mineral emulsion

DESCRIPTION

STABILIS 9910 AL is a water soluble metal working concentrate particularly recomended for machining processes on Steel, Aluminum and its Alloys. The product has a unique blend of additives which provide excellent machining performance under severe conditions. **STABILIS 9910 AL** is compliant with SAFRAN Pr-6300 specification for Titanium components machining applications. The product is suitable for both soft water as well as hard water conditions.

APPLICATIONS

STABILIS 9910 AL is a multi metal water based machining oil. The product is free from formaldehyde release agents, nitrites and secondary amines. The product has a unique blend of additives which provide excellent lubricity and detergency properties during machining, keeping the operation zone clean.

Stabilis 9910 AL emulsion is compatible with standard as well as aerospace Aluminuim alloys. The emulsion provides long term pH stability, as well as good microbiological control, providing long sump life.

ADVANTAGES

- Low foaming product.
- Very good cooling and detergency properties.
- Good lubrication properties.
- Excellent stability in use.
- Excellent bio stability
- Operator friendly
- Cleanliness of working environment

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	STABILIS 9910 AL
Color	-		Brown
Density	-	ASTM D4052	0.959
pH	-	NFT 60.193	9.0 at 5 %
Break Point Corrosion	%	IP 287	4
Refractometer Factor	-		1.0
Water Hardness range	ppm		100-600

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

The environmental, health and safety requirements are mentioned on the safety data sheet that is available at www.quickfds.fr

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RECOMMENDED CONCENTRATIONS OF USE

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

HEALTH AND SAFETY

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

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 9910 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**.

Storage Conditions :
The product should be stored between 5°C and 40°C for best performance. The product should be stored away from direct sunlight and in a cool, covered and dry area.

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.

Information disclosed in this technical data sheet is based on MOTUL's experience and know-how in the development and manufacture of lubricants and other chemical products according to the current state of knowledge.
Any chemical product must be used in the intended application and in accordance with the recommendations provided in its safety data sheet freely consultable via the site https://www.quickfds.com/fr/. The performance of our products may be influenced by a series of factors, including conditions of use, application methods, operational environment, pretreatment of components, possible external contamination, etc ... For these reasons, universal recommendation of our products is impossible. The information in the technical data sheet represents general, non-binding guidelines and is given for guidance only. No express or implied warranty is given regarding the properties of the product or its suitability for a given application.
Therefore, we recommend consulting an application engineer to discuss application conditions and product performance criteria before use. It is the user's responsibility to test the functional suitability of the product and to use it under appropriate safety conditions. Our products are subject to continuous improvement with the aim of improving performance or bringing them into compliance with any new and possible regulations concerning them. We reserve the right to change our product lines, our products and their manufacturing processes and any provisions of our publications at any time without notice. This technical sheet cancels and replaces all previous editions.
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