



## STABILIS 9920 AL

BORON FREE EMULSION FOR ALUMINIUM MACHINING

MINERAL BASE

### DESCRIPTION

**STABILIS 9920 AL** is a water soluble metal working concentrate particularly recommended for machining processes on Steel, Aluminum and its Alloys. The product has a special package of high performance additives which provide excellent machining performance under severe conditions. The product is suitable for both soft water as well as hard water conditions

### APPLICATIONS

**STABILIS 9920 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 high performance additives which provide excellent lubricity and detergency properties during machining, keeping the machines and its auxiliary units clean.

**Stabilis 9920 AL** emulsion is compatible with standard metallurgies of Alloy Steel, Stainless Steel, as well as Aluminum alloys. The emulsion provides long term pH stability, as well as good microbiological control, providing long sump life during operation.

### ADVANTAGES

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

### TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	STABILIS 9920 AL
Color	-		Orange
Density	-	ASTM D4052	0.942
pH	-	NFT 60.193	9.4 at 5%
Break Point Corrosion	%	IP 287	2.5
Refractometer Factor	-		1.0
Water Hardness range	ppm		100-400

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 steel: 5-7%
- General machining of copper alloys: 4-6%

## HEALTH AND SAFETY

- Formaldehydes and formaldehydes releasers free
- Boric acid, nitrites and DEA free, without chlorinated additives
- Glycol ether free, bactericide free, sulfur additive free, phosphor additive free
- Operator friendly : Good dermatological behavior and easy to use

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

## 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 9920 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.



### Important Notice

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