

# STABILIS 9820

BORON AND AMINE FREE EMULSION FOR MACHINING

## DESCRIPTION

**STABILIS 9820** is a water soluble metalworking fluid concentrate developed to answer to all machining processes.

**STABILIS 9820** is recommended for the machining of ferrous and non-ferrous alloys, aerospace aluminium and titanium alloys.

## APPLICATIONS

**STABILIS 9820** can be used for machining of most aluminium and copper alloys.

However, we recommend to check the tendency of the alloy to stain before use.

## ADVANTAGES

- SNECMA approval on aluminum (following document n°455-201-0-00 index B).
- Good cooling properties.
- Very good lubricity.
- Reduction of tools wear.
- Optimization of surface roughness and finishes.
- Excellent bio stability.
- Operator friendly.
- Cleanliness of working environment.

## TECHNICAL INFORMATION

NAME	UNITS	METHOD	STABILIS 9820
Color	-	Visual	Brown
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	0.982
Refractometer Factor	-		0.9
Water Hardness range recommended	ppm		100-400
Break Point Corrosion	%	IP 287	4
pH	-	NFT 60.193	9.0 at 5 %

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

## HEALTH & SAFETY

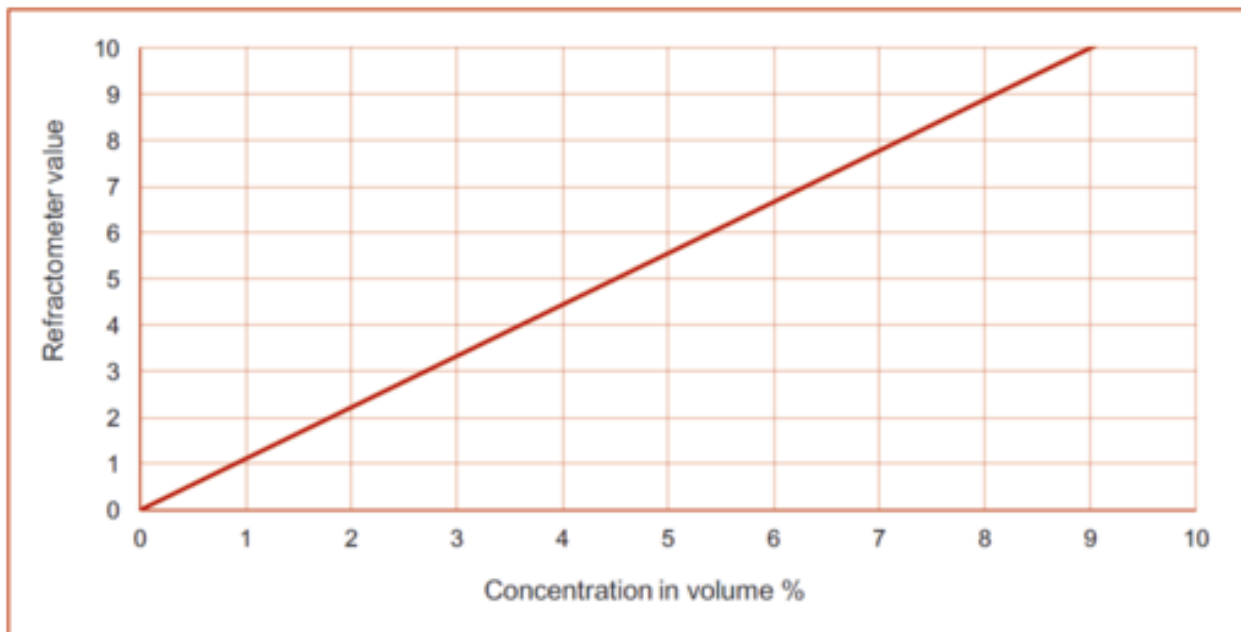
- Bactericide, formaldehydes and formaldehydes releasers free
- Boron, nitrites and amines free, without chlorinated and phosphorous additives
- Operator friendly: good dermatological behavior and easy to use

## RECOMMENDED CONCENTRATIONS OF USE

- General machining of aluminium: 6-8 %
- Tapping / Threading / Reaming: 8-12 %
- General machining of titane: 6-10 %
- General machining of steel: 5-7 %
- General machining of copper alloys: 4-6 %

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

## 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 9820** 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.