



## STABILIS 9820

BORON AND AMINE FREE EMULSION FOR MACHINING  
MINERAL EMULSION

### 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

| TECHNICAL CHARACTERISTICS | UNITS | METHOD     | STABILIS 9820 |
|---------------------------|-------|------------|---------------|
| Aspect                    | -     |            | Liquid        |
| pH                        | -     | NFT 60.193 | 9.0 at 5 %    |
| Break Point Corrosion     | %     | IP 287     | 4             |
| Refractometer Factor      | -     |            | 0.9           |
| Water Hardness range      | ppm   |            | 100-400       |

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



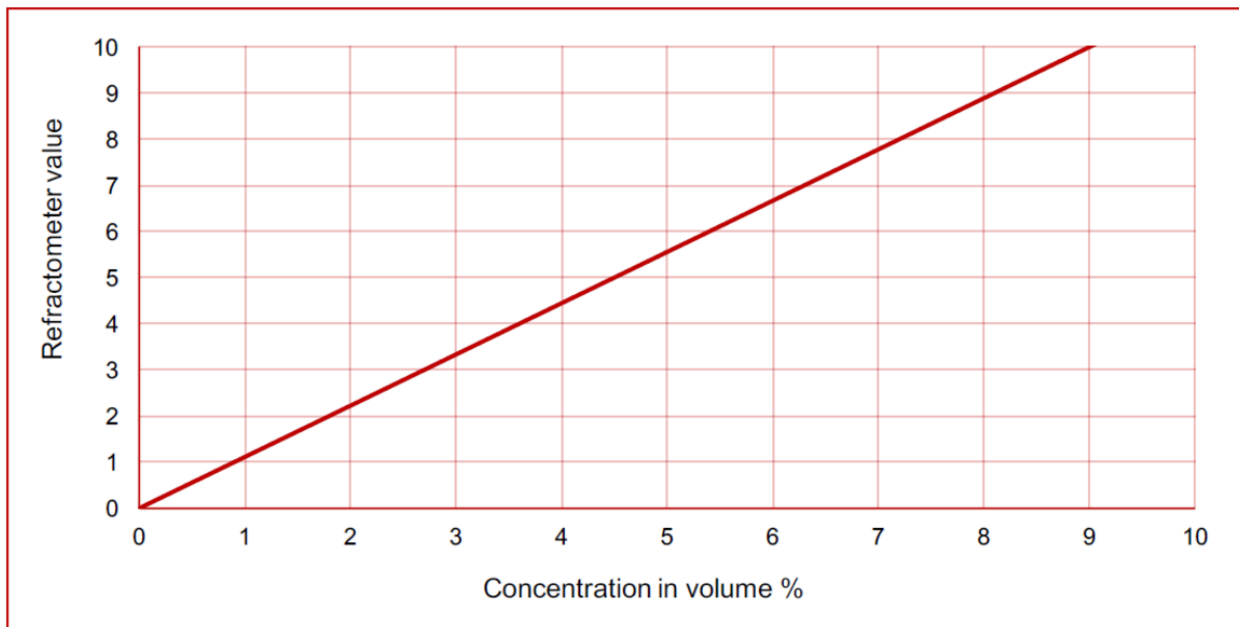
## RECOMMENDED CONCENTRATIONS OF USE

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

## HEALTH AND 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

## 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.

### 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. The safety data sheet is available on [www.motul.com](http://www.motul.com).

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.