

## STABILIS 9230

FINE EMULSION FOR HEAVY DUTY MACHINING

## MINERAL BASE

### DESCRIPTION

**STABILIS 9230** is a high performances water soluble metalworking fluid concentrate developed to answer to very severe machining operations.

**STABILIS 9230** is recommended for the machining of ferrous and non-ferrous alloys.

Thanks to its specific additives, **STABILIS 9230** is particularly suited to machine aerospace aluminium alloys, nickel and titanium.

### BENEFITS

- SNECMA approval on aluminum and titanium (following document n°455-201-0-00 index B)
- Excellent lubricating and cooling properties
- Optimization of surface roughness and finishes
- Reduction of tools wear
- Excellent stability and bio stability in use
- Excellent non foaming properties
- High pressure compatible (up to 70 bars)
- Good release of tramp oils
- Operator friendly
- Cleanliness of working environment

### HEALTH & SAFETY

- Bactericide, isothiazolinone, formaldehydes & formaldehydes releasers free
- Nitrites and DEA 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: 6-12 %
- Reaming/ Sawing: 8-15 %
- Machining of nickel and titanium alloys: 6-12 %
- General machining of steel: 4-6 %
- Difficult machining of steel: 6-10 %

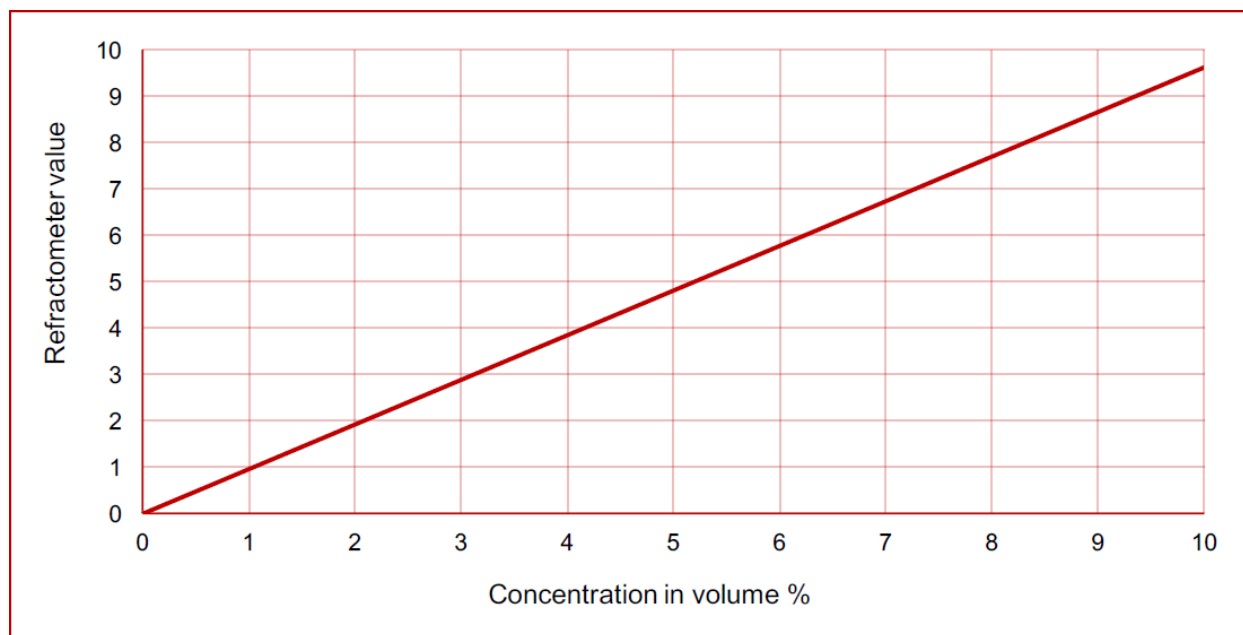
The refractometer reading must be multiplied by the refractometer factor to arrive at the real concentration.

**STABILIS 9230** 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.

## TECHNICAL INFORMATION

NAME	METHOD	STABILIS 9230
Color	Visual	Yellow
Aspect		Liquid
Density at 20°C (68°F)	ISO 12.185	0.983 kg/L
Refractometer Factor		1.0
Water Hardness range recommended		100-500 ppm
Break Point Corrosion	IP 287	1 %
pH	NFT 60.193	9.1 at 5 %

## 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 9230** 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.

## RECOMMENDATIONS

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 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. The safety data sheet of this product is available at [www.motul.com](http://www.motul.com)