

STABILIS 9220

MULTIPURPOSE FINE EMULSION

DESCRIPTION

STABILIS 9220 is a water soluble metalworking fluid concentrate developed for all machining operations that require good cooling properties.

STABILIS 9220 is recommended for the machining of ferrous and non-ferrous alloys, including standard aluminiums.

Based on a specific chemistry, **STABILIS 9220** can be diluted in soft water or hard water.

APPLICATIONS

STABILIS 9220 can be used for machining of aluminium and copper alloys.

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

ADVANTAGES

- Excellent lubricating and cooling properties.
- Optimization of surface roughness and finishes.
- Excellent stability and bio stability in use.
- Excellent non foaming properties.
- Operator friendly.
- Cleanliness of working environment.

TECHNICAL INFORMATION

NAME	UNITS	METHOD	STABILIS 9220
Color	-	Visual	Yellow
Aspect	-		Liquid
Density at 20°C (68°F)	-	ISO 12.185	0.996
Refractometer Factor	-		1.2
Water Hardness range recommended	ppm		100-600
Break Point Corrosion	%	IP 287	1
pH	-	NFT 60.193	9.0 at 5 %

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

HEALTH & SAFETY

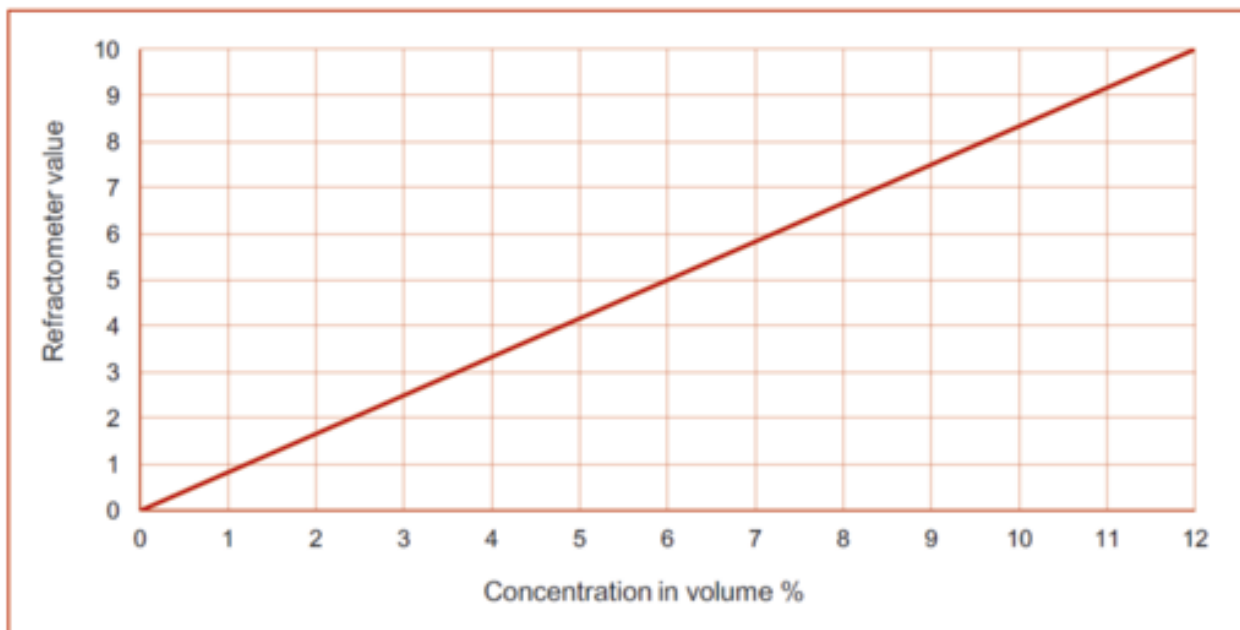
- Bactericide, formaldehydes and formaldehydes releasers free
- Nitrites, DEA and glycol ether free, without chlorinated and phosphorous additives
- Operator friendly: good dermatological behavior and easy to use

RECOMMENDED CONCENTRATIONS OF USE

- General machining of aluminium: 6-8 %
- Tapping / Threading / Reaming: 6-12 %
- General machining of steel: 4-6 %
- Difficult machining of steel: 6-12 %

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 9220** 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.