



STABILIS 9220

MULTIPURPOSE FINE EMULSION

MINERAL BASE

DESCRIPTION

STABILIS 9220 is a water soluble metalworking fluid concentrate developed for general purpose machining operations that require good lubricity and cooling properties. The product is recommended for the machining of ferrous and non-ferrous alloys, including standard aluminium and copper alloys. The emulsion of Stabilis 9220 is suitable for both soft water and hard water conditions.

APPLICATIONS

STABILIS 9220 is free from formaldehyde release agents, nitrites. It is a multi metal product, which can be used for general purpose machining of standard aluminium and copper alloys. The product has a unique additive package, which inhibits discoloration due to the machining of copper alloys.

STABILIS 9220 provides excellent lubricity as well as detergency properties, providing good surface finish on the components as well as keeps the machines clean.

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

ADVANTAGES

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

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	STABILIS 9220
Color	-		Yellow
Density	-	ASTM D4052	0.996
pH	-	NFT 60.193	9.0 at 5 %
Break Point Corrosion	%	IP 287	1
Refractometer Factor	-		1.2
Water Hardness range	ppm		100-600

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: 6-12 %
- General machining of steel: 4-6 %
- Difficult machining of steel: 6-12 %

HEALTH AND 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

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 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**.

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

Information disclosed in this technical data sheet is based on MOTUL's experience and know-how in the development and manufacture of lubricants and other chemical products according to the current state of knowledge.

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