

STABILIS 9827 MG

High-Performance Multi-Metal, Soluble Metal Working Fluid

DESCRIPTION

STABILIS 9827 MG is a high-performance mineral oil-based water-soluble metalworking fluid that is suitable for the machining of magnesium, aluminum, and its alloys such as 2024, 6061, 6082, 7075. The product is suitable for the machining of yellow metals. It can also be used for general machining of medium-duty steel alloys as well as plain carbon steel and cast iron.

RECOMMENDED APPLICATIONS

STABILIS 9827 MG provides an extremely low dissolution of magnesium and its alloys.

STABILIS 9827 MG is free from boric acid, and formaldehyde. It has an advanced polar lubrication additive package that provides good product stability and improves machining performance. The product technology and additive package provides excellent anti-corrosion properties, good wetting properties, and buffering effects with a stable pH resulting in long-term emulsion stability and lowers overall operational costs.

ADVANTAGES

- Suitable for machining of magnesium.
- Multimetal machining emulsion.
- Water hardness stability up to 2600 ppm.
- Free from FRA & boric acid.
- pH stable product emulsion.
- Polar lubricity improves allow machining of aluminium.
- Reduced tool wear.

STABILIS 9827 MG has a high water hardness stability of up to 2600 ppm (150°dH).

STABILIS 9827 MG is homologated by SAFRAN for Aluminum, Tial, Inconel and Titanium machining

Applications :

- General and medium-duty machining
- Grinding.

TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	STABILIS 9827 MG
Appearance	Visual		Translucent
Density @ 15°C	DIN EN ISO 12185	g/cm ³	0.988
pH at 5% @ 20°C	DIN 51369		9.5
Breakpoint of corrosion	IP 287	%	5
Water hardness range		ppm	100 - 500

Refractometer factor			1.2
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**The specifications mentioned above are as per general test conditions. They may vary under different conditions

RECOMMENDED APPLICATIONS & DILUTIONS OF USE

- General machining : 7 - 12%
- Grinding : 5 - 7%

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

HEALTH AND SAFETY

- Free from formaldehyde-releasers, boric acid, or chlorinated paraffines.
- Good dermatological behavior and is operator-friendly.
- Recommended environmental temperature : 5 - 40°C / 40 - 105°F.

INSTRUCTIONS

Before first fill, it is advisable to thoroughly clean the equipment with a system cleaner such as **Contram CB3**. Drain and rinse the system with water.

If no volumetric mixing system is available, it is recommended to slowly pour **STABILIS 9827 MG** into the water while stirring continuously to achieve a consistent emulsion.

To ensure the best quality of emulsion and maximize fluid efficiency, consult the Motul Tech **technical service team**.

SERVICE AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and in-use monitoring of your lubricants. Please contact your local Motul Tech technical sales representative

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.

Our product contains natural additives which are likely to modify the color of the concentrates without altering their 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