

SAFKOOL 6820 SW

MULTIPURPOSE MICRO-EMULSION FOR MACHINING

Semi synthetic fluid

DESCRIPTION

SAFKOOL 6820 SW is a water emulsifiable metalworking fluid concentrate dedicated for all machining operations that require high cooling properties.

SAFKOOL 6820 SW is recommended for the machining of ferrous and non-ferrous alloys, including standard aluminum alloys.

SAFKOOL 6820 SW is homologated by SAFRAN for Aluminum, Inconel and Titanium machining

Thanks to its specific additives, SAFKOOL 6820 SW is perfectly suitable for dilution in soft water and uses under high pressure.

BENEFITS

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

HEALTH & SAFETY

- Boron, bactericide, formaldehydes & formaldehydes releasers free.
- Nitrites, glycol ether and DEA free, without chlorinated or sulfur additives.
- Operator friendly: good dermatological behavior and easy to use.

RECOMMENDED APPLICATIONS & DILUTIONS OF USE

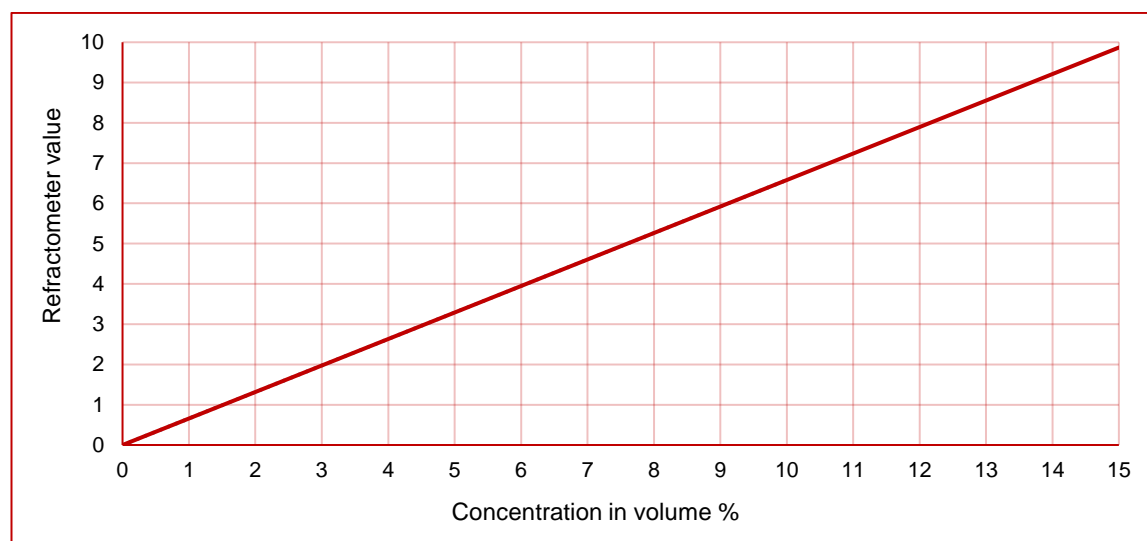
- General machining of iron and steel: 5-7%
- General machining of aluminium: 6-8%
- Machining of copper alloys: 4-6%
- Heavy duty machining: 8-15%
- Rectification 4-6%

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

SAFKOOL 6820 SW 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

TYPICAL CHARACTERISTICS	UNITS	METHOD	SAFKOOL 6820 SW
Aspect			Clear light brown
Density at 20°C	KG/L	ISO 12.185	1,014
PH a 5%		NFT 60.193	9,9
Break Point Corrosion	%	IP 287	2
Water hardness range recommended	°TH		5 - 40
Refractometer factor			1,52



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 **SAFKOOL 6820 SW** 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 in-use monitoring of your lubricants. Please contact your 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 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