



SAFKOOL 6820 SW

METALWORKING FLUID FOR CUTTING AND GRINDING
SEMI-SYNTHETIC BASE

DESCRIPTION

SAFKOOL 6820 SW is a water emulsifiable metalworking fluid concentrate.

Thanks to the excellent lubricity additives and the well balanced emulsifiers used, **SAFKOOL 6820 SW** is a multipurpose product particularly effective on both soft and hard water.

APPLICATIONS

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.

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

ADVANTAGES

- 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

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SAFKOOL 6820 SW
Aspect	-		Clear
Density	-		1,014.0
pH	-	NFT 60.193	9.9 at 5%
Break Point Corrosion	%	IP 287	2
Refractometer Factor	-		1.5
Water Hardness range	°TH		100-500

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



RECOMMENDED CONCENTRATIONS 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%

HEALTH AND SAFETY

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

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 monitoring of your lubricants. Please contact your technical sales representative for more information.

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. The safety data sheet is available on www.motul.com.

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.