



SAFKOOL 6620

Micro-Emulsion for Machining

SEMI-SYNTHETIC BASE

DESCRIPTION

SAFKOOL 6620 is a water emulsifiable metalworking fluid concentrate dedicated for general purpose machining operations that require high cooling and extreme-pressure properties. The product is recommended for the machining of ferrous, high alloyed steels and stainless steels. Safkool 6620 has advanced additive package which provides high EP properties to make the product suitable for severe operations like broaching, boring, tapping and some forming applications.

APPLICATIONS

SAFKOOL 6620 is a high performance semi-synthetic water based cutting oil for general purpose machining as well as severe machining applications. The product has a unique blend of extreme pressure additives which provide excellent machining performance and good surface finish. The product can also be used for machining operations of copper alloys. However, it is recommend to check the tendency of the alloy to stain before use.

ADVANTAGES

- Excellent cooling properties.
- Very good EP properties.
- Optimization of surface finish.
- Excellent bio stability and stability in use.
- Cleanliness of working environment.

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SAFKOOL 6620
Color	-		Orange
Density	-	ASTM D4052	1.031
pH	-	NFT 60.193	9.5 at 5 %
Break Point Corrosion	%	IP 287	3
Refractometer Factor	-		1.6
Water Hardness range	ppm		200-500

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



RECOMMENDED CONCENTRATIONS OF USE

- General machining of iron and steel: 4-6%
- Machining of high alloyed and stainless steel: 6-8%
- Heavy duty machining: 8-20%

HEALTH AND SAFETY

- Formaldehydes & Formaldehydes releasers free
- Nitrites, Glycol ether and DEA free, without chlorinated 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 **SAFKOOL 6620** 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.



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