

# SEMI-SYNTHETIC SOLUBLE OIL



## SAFKOOL 6215 Microemulsion for ferrous materials

### DESCRIPTION

**SAFKOOL 6215** is a soluble concentrate particularly suitable for all metalworking requiring some excellent cooling properties.

Operations: turning, milling, threading, grinding, gearing, boring, drilling...

**SAFKOOL 6215** is recommended for metalworking of ferrous materials and copper.

### BENEFITS

- Excellent cooling properties
- Optimisation of surface finishes & tolerances
- Optimum bio-stability in use
- Very low foaming product (demineralized water compatible)
- Operator friendly
- Cleanliness of working environment

### HEALTH AND SAFETY

- Chlorine additive free, nitrite free, glycol ether free, phosphor additive free
- Operator friendly : good dermatological behavior for a better ease of use
- Cleanliness of working environment

### RECOMMENDED CONCENTRATIONS

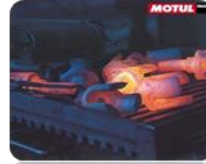
- Machining of steel, cast iron and copper : min 5%
- Grinding of steel, cast iron and copper : min 3%

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### TECHNICAL CHARACTERISTICS

Typical characteristics	Units	Méthods	Safkool 6215
Aspect of the concentrate			Slightly hazy orange
Density at 20°C	Kg/l	ISO 12.185	1.015
5% emulsion pH		NFT 60.193	9.1
Corrosion break point	%	IP 287	2.5
Water hardness range of use	ppm Ca		0 - 250
Coefficient of degree Brix correction			1.67

### INSTRUCTIONS

Before commissioning, perfectly clean installation with an antiseptic such as the **Contram CB1**. Drain and rinse with water.

It is recommended to add **SAFKOOL 6215** into water gradually while stirring to achieve the microemulsion.

For commissioning and efficient use, consult the manual of good practices - **soluble machining fluids**.

### SERVICES AND MATERIALS

To make an implementation, monitoring and maintenance of soluble cutting fluids, Motul Tech provides all the necessary equipment and materials. Please contact the technical sales representative.

### RECOMMANDATIONS

The MOTUL TECH Soluble cutting oils, SAFKOOL range, are produced from petroleum components, highly refined and high quality additives. As all products from petroleum, the use requires a minimum of caution especially for handling and body hygiene.

All information and rules about safety, health and environment are mentioned on safety data sheet. It informs about risks, cautions and first aid emergency rule. It clarifies all provisions to implement in case of incident spillage, and for the disposal of the product and its effects on the environment.

Our product contains natural additives likely to modify the color of the concentrates without influencing its performances.

The specifications of our products only become definitive at the time of order, which is 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 on [www.motul.com](http://www.motul.com).

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