

SAFKOOL 6120**MICRO-EMULSION FOR GRINDING AND MACHINING****DESCRIPTION**

SAFKOOL 6120 is a water-soluble concentrate dedicated for grinding and general machining operations on cast iron and steel.

RECOMMENDED APPLICATIONS

SAFKOOL 6120 is best suited for grinding and general machining operations on cast iron and steel.

SAFKOOL 6120 is particularly useful for machining operations that require high cooling properties.

SAFKOOL 6120 was developed to maintain foam control even in soft waters.

ADVANTAGES

- Low foaming
- Very good cooling and detergency properties
- Excellent bio stability and stability in use.
- Good separation of tramp oils
- Cleanliness of the working environment
- Very good particles settling properties

TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	SAFKOOL 6120
Concentrate Color	Visual		Orange
Density at 20°C	ASTM D4052		1.017
pH at 5%	NFT 60-193		9.9
Break point corrosion	IP 287	%	2.5
Water hardness range recommended		ppm	100 – 400
Refractometer factor			1.7

The specifications are given for information purposes only and may need to change.

RECOMMENDED APPLICATIONS & DILUTIONS OF USE

- Grinding of cast iron & steel: 3-5%
- General machining of cast iron: 4-6%
- General machining of steel:: 5-8%

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

HEALTH AND SAFETY

- Free from formaldehyde-releasers.
- Good dermatological behavior and easy to use.
- Storage in frost-free and dry environment

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 6120** 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**.