

SAFKOOL 6110 CS

Semi synthetic fluid for cutting and grinding

Boron free semi synthetic coolant

DESCRIPTION

SAFKOOL 6110 CS is a water soluble metalworking fluid concentrate dedicated for general purpose machining and grinding operations. The product is designed for Alloy Steel and Cast Iron metallurgies with minimal carryover losses. Safkool 6110 CS is recommended for usage in single sump machines.

APPLICATIONS

SAFKOOL 6110 CS is a semi-synthetic fluid dedicated for grinding and general machining of cast iron and steel. The product is low foaming in soft water conditions. The product provides good cooling and detergency properties in machining and grinding operations which cleans the dust from the machining area. The product also keeps the dust particles well settled in the coolant tank, providing clean emulsion in the operational zone. Safkool 6110 CS is free from formaldehyde release agents making it safe to use in the shopfloor operations.

ADVANTAGES

- Low foaming product.
- Very good cooling and detergency properties.
- Good separation of tramp oils.
- Very good particles settling properties.
- Cleanliness of working environment.

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	SAFKOOL 6110 CS
Color	-		Orange
Density	-	ASTM D4052	1.027
pH	-	NFT 60.193	9.7 at 5 %
Break Point Corrosion	%	IP 287	3.5
Refractometer Factor	-		2.5
Water Hardness range	ppm		100-400

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

RECOMMENDED CONCENTRATIONS OF USE

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

HEALTH AND SAFETY

- Formaldehydes releasers free
- Boric acid, nitrites, MIPA 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 6110 CS** 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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