



Product Application Sheet



Oak Kool 310

Cutting and grinding fluid for medium duty applications

Description

Oak Kool 310 is a clear/hazy, amber, water miscible, preformed microfine emulsion type cutting fluid concentrate.

Application

Oak Kool 310 is a general-purpose cutting fluid recommended for medium duty grinding and machining of all ferrous and most non-ferrous metals. Oak Kool 310 is a product designed for use in individual machines and central systems. It should not be used in high turbulence systems where foaming tendency is of primary importance.

Features and benefits

- Long fluid life due to the special product composition.
- Suitable for a wide range of materials and operations.
- Excellent emulsion stability.
- Clean and mild product.
- Will not smoke or burn.

Methods of application

Oak Kool 310 is easy to mix, normal stirring only. For automatic mixing, the use of the Cimcool® Mix Master or Cimcool Mix Master S is recommended. Typical starting water temperature conditions should be 5 - 25°C.

Recommended starting concentration

	Cast iron and carbon steel	Steel alloys and stainless steel
Grinding	4.0%	5.0%
Light machining	5.0%	8.0%
Medium duty machining	8.0%	10.0%

Mis Master S

Mix Master S: Concentration* can easily be obtained by setting the regulator to the correct number.

* The concentration may vary depending on local conditions. It is therefore always advised to check using the refractometer or TA Kit.

Concentration analysis

For concentration analysis, use the below given method or an appropriate laboratory procedure available from your local stockist.

Refractometer factor: 2.0

If the refractometer is used, the resultant reading multiplied by a factor of 2.0 will only be relevant when applied to a fresh mix.

Handling and storage

Protect from freezing, direct sun and store between 5 - 30° C.

Packaging type

1000 and 200 litre and bulk.

Safety Data Sheet

The Safety Data Sheet should be consulted for specific information and information on Health, Safety and Environment when handling this product.



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