

ECOCOOL 600 NBF K

Water miscible semi-synthetic coolant for general machining of ferrous metal and ferrous alloys

Description

ECOCOOL 600 NBF K is a low mineral oil containing water miscible semi-synthetic type cutting fluid, specially designed for multi-purpose machining applications on cast iron, carbon steel and ferrous alloys. It forms a long life, stable, finely dispersed clear translucent emulsion, when mixed with water. ECOCOOL 600 NBF K is free of nitrites, chlorine and phenols.

Application

ECOCOOL 600 NBF K recommended for drilling, milling, boring, tapping, reaming, turning and grinding operations. Suitable for cast iron, carbon steel and ferrous alloys.

Recommended concentration:

- Grinding : 3-4%
- Normal operation : 4-7%
- Difficult operation : 7-12%

Benefits

- Low foaming even in soft water
- Outstanding anti-corrosion property
- Rejects tramp oil which helps easy skimming off from the coolant surface
- Excellent lubricity and flushing property
- Enhances tool life
- Excellent hard water stability up to 1000 ppm CaCO_3 / Litre

Storage

Under proper sealed condition at ambient temperature, shelf life is 6 months

ECOCOOL 600 NBF K

Typical Characteristics

Properties	Typical Value	Test Method
Appearance	Slight hazy	Visual
Density at 29.5°C, g/ml	1.02	ASTM D 4052
Refractometer factor, % (v/v)	1.6	FLP*
pH (10% dilution)	9.6	FLP*
pH (5% dilution)	9.5	FLP*
Corrosion test (chip / filter test) / 3%	No spot	FLP*
Emulsion stability at 5% in 700 ppm water	Stable	FLP*
Concentrate stability 50°C/RT**/5°C for 24 hours	Stable	FLP*
Foam test (5% emulsion in tap water)	Passes	FLP*

FLP* - Fuchs Laboratory Procedure

RT** – Room Temperature

The information contained in this product information sheet is based on experience and know-how of FUCHS LUBRICANTS (INDIA) PVT. LTD. in the development and manufacturing of lubricants and represents the current state-of-the-art technology. The performance of our products can be influenced by series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible. The information given in this product information sheet represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application.

We therefore recommend that you consult our application engineer to discuss the application conditions and performance criteria of the products before its use. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products and their manufacturing processes as well as all details of our product information sheets at any time without warning. With the publication of this product information sheet, all previous editions cease to be valid.

Any form of reproduction requires prior written permission from FUCHS LUBRICANTS (INDIA) PVT. LTD.

Manufactured & Marketed in India by:
FUCHS LUBRICANTS (INDIA) PVT. LTD.
Sarjan Plaza, 2nd floor, 100 Dr. Annie
Besant Road, Worli, Mumbai – 400018
Telephone+ 91 22 6625 5900
Fax: +91 22 6666 1049
Email: customer.care@fuchsindia.com