

SUPRACUT INO 45 FG

Biodegradable Esters based Neat Cutting Oil

DESCRIPTION

SUPRACUT INO 45 FG is a high performance synthetic esters based neat metalworking fluid. The product is a unique blend of EP additives along with biodegradable synthetic and natural esters. It has an innovative and advanced additive package which provides excellent machining, thermal oxidation stability performance. SUPRACUT INO 45 FG is suitable for machining of ferrous and non-ferrous alloys including titanium and yellow metals. The product can also be used in lubrication systems, MQL, deformation as well as a mould oil. SUPRACUT INO 45 FG does not contain sulphur, polycyclic aromatic hydrocarbons as well as chlorinated compounds.

RECOMMENDED APPLICATIONS

SUPRACUT INO 45 FG is a unique blend of natural biodegradable vegetable esters based neat metalworking and lubricating oil, designed to provide excellent machining performance with good surface finish and machining parameters as well as MQL, hydraulic oil, deformation and mould oil. It works as a multifunctional oil and is also recommended for Food Grade Industry.

SUPRACUT INO 45 FG is designed with specially formulated EP additives, antioxidants, and metal passivators which make it suitable for heavy duty applications. The product technology provides excellent wetting properties, low misting, low carry over losses and improves overall operational costs.

SAFKOOL INO 45 FG can be used for medium and heavy duty machining applications for Ferrous, Steel as well as hard metals like titanium. The product can also be used for yellow metals. It is advisable to check the compatibility of the alloy before use.

Applications: General machining, Gear cutting, Shaving, Broaching, MQL, Hydraulic, Drawing.

ADVANTAGES

- Biodegradable vegetable synthetic ester based cutting oil.
- Reduced misting and fumes.
- Improved resistance to tool wear.
- Excellent filtration capabilities.
- Good wetting properties, reduced carryover loss.
- High flash point, suitable for severe machining applications.
- Food Grade recommendation

TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	SUPRACUT INO 45 FG
Colour	Visual		Limpid
Specific Gravity at 20°C	ASTM D 7042	-	0.912
Viscosity at 40°C	ASTM D 7042	mm ² /s	40
Viscosity at 100°C	ASTM D 7042	mm ² /s	8.57
Viscosity Index	ASTM D 2270	-	200
Flash Point (V.A)	ASTM D 92	°C	304

Fire Point (V.A)	ASTM D 92	°C	341
Pour Point	ASTM D 97	°C	-10

**The specifications mentioned above are as per general test conditions. They may vary under different conditions

HEALTH AND SAFETY

- Free from chlorine and active sulphur.
- Good dermatological behavior and easy to use.
- Recommended storage environmental temperature : 5 - 40°C / 40 - 105°F.

INSTRUCTIONS

Before first fill, it is advisable to thoroughly clean the equipment's to remove the residues of the previous product for optimum product performance

Keep the container / drum sealed to avoid product deterioration. Store in a cool, dry place, avoid direct sunlight, water ingress and frost exposure.

To ensure the best quality of product and maximize fluid efficiency, consult the **technical service team**.

SERVICE AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and in-use monitoring of your lubricants. Please contact your technical sales representative

IMPORTANT NOTICE

All information and rules about health, safety, and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures, and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment.

Our product contains natural additives which are likely to modify the colour of the concentrates without altering their performance. The specifications of our products are definite only at the time of order and are 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 at www.motul.com