

SUPRAGRIND INO 05 GV

Biodegradable Esters based Neat Cutting Oil

DESCRIPTION

SUPRAGRIND INO 05 GV is a high performance synthetic ester based neat metalworking fluid. The product is a unique blend of EP additives along with saturated synthetic esters. Supragrind INO 05 GV is suitable for grinding of ferrous and non-ferrous alloys including titanium and yellow metals. Supragrind INO 05 GV can be used for honing, lapping, grinding of stainless steel, hard metals as well as grinding with CBN wheels. The product does not contain chlorinated compounds as well as active sulphur.

RECOMMENDED APPLICATIONS

SUPRAGRIND INO 05 GV is a biodegradable vegetable esters based neat metalworking fluid, designed to provide excellent machining performance with good surface finish and machining parameters.

SUPRAGRIND INO 05 GV is designed with unique EP additives, antioxidants, and metal passivators which make it suitable for multi-metal applications. The product technology provides excellent wetting properties, low misting, low carry over losses and improves overall operational costs. With high flash point, the product can withstand severe operational capabilities.

SUPRAGRIND INO 05 GV 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: Grinding, Honing, Lapping.

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.
- Yellow metal compatibility.

TECHNICAL INFORMATION

| CHARACTERISTICS | METHOD | UNIT | SUPRAGRIND INO 05 GV |
|--------------------|-------------|--------------------|----------------------|
| Colour | Visual | | Limpid |
| Density at 20°C | ISO 12.185 | | 0.860 |
| Viscosity at 40°C | ASTM D 445 | mm ² /s | 5.3 |
| Viscosity at 100°C | ASTM D 445 | mm ² /s | 1.9 |
| Viscosity Index | ASTM D 2270 | - | 155 |
| Flash Point | ASTM D 92 | °C | 180 |
| Fire Point | ASTM D 92 | °C | 228 |

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

HEALTH AND SAFETY

- Free from chlorine, PAH 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