

SMART EARTH™

PERFORMANCE FG

BIOBASED FOOD GRADE LUBRICANT AND PENETRANT

Health Canada LON0 HC File #IS15021101

Smart Earth Performance FG is made from special plant oils for maximum oxidative stability, is biodegradable and has a low, non-offensive odour. This high-performance biobased lubricant offers a high viscosity index, lower evaporation loss and enhanced lubricity, improving energy efficiency and reducing friction and wear. It provides a long-lasting lubricating film that easily bonds to metal or plastic and reduces operating temperatures allowing for high speeds. It is chlorine free, with high flash and fire points.

BIOBASED

Based on evaluation of the base oils and the finished products, this biobased product is designed to be biodegradable, aquatically non-toxic, not bio accumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all Smart Earth products are subject to the local ordinances and ultimate responsibility for impact remains with the users.

APPLICATIONS

- Approved for incidental contact in food processing facilities
- Multi-purpose lubricant recommended for load and wear applications
- Lubricates sliding and rolling surfaces, chains and rails
- Hinges and moving parts
- Loosens rusted and tight bolts
- General purpose cutting, grinding and drilling metals
- Milling, tapping, and reaming

BENEFITS

- Superior lubricity improves productivity and reduces wear
- Cooler operating allowing for high operating speeds
- Safe for all metals and plastics
- Protects from rust and corrosion
- Does not contain chlorine
- High flash and fire points
- Made from renewable crop based plant oils



TYPICAL PROPERTIES

| | Value | Test Method |
|-----------------------------|--------------|--------------|
| Appearance | Light Yellow | Visual |
| Viscosity @40°C, cSt | 40 | ASTM D 445 |
| Viscosity @100°C, cSt | 8.5 | ASTM D 445 |
| Flash Point, °C (°F) | 310 (590) | ASTM D 92 |
| Fire Point, °C (°F) | 348 (658) | ASTM D 92 |
| 4-Ball Wear, mm | 0.47 | ASTM D 4172 |
| 4-Ball Weld, kg | 250 | ASTM D 2596 |
| Pin & Vee Block Test | 3335 lbs | ASTM D 3233A |
| Pour Point, °C (°F) | -20 (-4) | ASTM D 97 |
| Rust Prevention (Distilled) | Pass; None | ASTM D 665A |
| Rust Prev. (Syn. Seawater) | Pass; None | ASTM D 665B |
| Base Oil Aquatic Toxicity | Non-Toxic | Daphnia |
| Base Oil Biodegradability | Pass | OECD |

PACKAGING

400 g (Bag on Valve Pressurized Can), Bulk Containers as Requested

UNIQUE BAG-ON-VALVE (BoV) CAN

- 360° use - works even upside down
- Accurate & even spraying pattern from up to 2 feet
- Up to 100% product emptying
- Propellant is separate from active ingredients
- No pumping motion needed
- Product dispensed without a chilling effect



PRECAUTIONS

THIS PRODUCT IS MANUFACTURED FROM HIGH QUALITY NATURAL SEED OILS AND BLENDED WITH SELECT ADDITIVES. AS WITH ALL LUBRICANTS, GOOD PERSONAL HYGIENE AND CAREFUL HANDLING SHOULD ALWAYS BE PRACTICED. AVOID PROLONGED CONTACT TO SKIN, SPLASHING INTO THE EYES, INGESTION OR INHALING OF VAPOR OR MIST. PLEASE REFER TO THE MATERIAL SAFETY DATA SHEET FOR FURTHER INFORMATION.

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