

# SMART EARTH™

## PERFORMANCE FG

### BIOBASED FOOD GRADE LUBRICANT AND PENETRANT

Smart Earth Performance FG is a high-performance biobased lubricant with a high viscosity index, lower evaporation loss and enhanced lubricity, which improves energy efficiency and reduces friction and wear.

### BIOBASED

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.

### HEALTH CANADA LONO File # IS15021101

Health Canada approved Smart Earth Performance FG for **incidental food contact in food processing facilities** Where it can be used:

- On equipment or machine parts where contact with food is only incidental
- In the minimum amount required to achieve its intended technical effects
- Prior to the application of the product in food handling areas, all food as well as any food contact surfaces should either be removed from the vicinity or otherwise protected from the spray
- As an anti-rust film on the equipment, it must be effectively washed from the surface prior to re-use of the equipment as required to leave the surface effectively free of any substance which could be transferred to food being processed

### APPLICATIONS

Approved by Health Canada for application to prevent wear and tear on moving mechanical parts

- 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 long-lasting lubricity improves productivity and reduces wear
- Cooler operating temperatures 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	ASTM D 665A
Rust Prev. (Syn. Seawater)	Pass	ASTM D 665B
Base Oil Aquatic Toxicity	Non-Toxic	OECD 202
Base Oil Biodegradability	Pass	OECD 301

## UNIQUE BAG-ON-VALVE (BoV) 400g 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.

DATA PROVIDED IN THIS BULLETIN IS TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION GENERALLY AND NOT AS SPECIFICATIONS. WHILE ALL THE DATA PRESENTED IN THIS BULLETIN IS BELIEVED TO BE RELIABLE, AND BECAUSE CONDITIONS OF USE ARE BEYOND OUR CONTROL, SMART EARTH MAKES NO REPRESENTATIONS, GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR AS TO THE CORRECTNESS OR SUFFICIENCY OF DATA HEREIN PRESENTED. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE FITNESS OF ANY PRODUCT FOR ITS INTENDED PURPOSE. NO AGENT, REPRESENTATIVE, OR EMPLOYEE OF THIS COMPANY IS AUTHORIZED TO VARY ANY OF THE TERMS OF THIS NOTICE. TO CONTINUE TO PROVIDE SUPERIOR QUALITY, SMART EARTH RESERVES THE RIGHT TO CHANGE THE COMPOSITION OF ITS PRODUCTS WITHOUT NOTICE.