



PURITY™ FG AEROSOL SPRAY LUBRICANTS

Introduction

Petro-Canada's PURITY FG aerosol spray lubricants are multi-application food grade lubricants. All sprays are packaged in aerosol cans with an application tube to provide a convenient way to lubricate specific areas or hard to reach locations. PURITY FG aerosol spray lubricants also meet the highest food industry standards and fit perfectly in HACCP (Hazard Analysis and Critical Control Point) and GMP (Good Manufacturing Practice) plans.

PURITY FG Spray

PURITY FG Spray is formulated using Petro-Canada's HT base oils and fortified with specially selected performance additives. It is highly resistant to oxidative breakdown and provides excellent protection from wear and corrosion. Tough enough to handle wet food processing environments, its tacky nature allows it to adhere strongly to metal surfaces; resisting water washout and water spray loss.

- **Outstanding resistance to oxidative breakdown**
 - Helps to minimize sludge and varnish
- **Long-term protection from rust and corrosion**
 - Helps to protect chains and metal surfaces from rusting
- **Excellent wear protection**
 - Helps to protect metal-to-metal contact between chains and drive sprockets
 - Penetrates pin leakage points
- **Strongly adheres to all surfaces**
 - Resists throw-off from chains, minimizing fluid drips
 - Highly resistant to water washout and spray loss
 - Reduces reapplication requirements

Typical applications include chains, rails and guides, slides, pivots, cables and linkages, gears, hinges and small bearings.

PURITY FG2 with Microl™ MAX Spray

PURITY FG2 with Microl MAX Spray is an advanced food grade lubricant specially formulated to deliver excellent performance under the highly demanding conditions of food processing operations. It is packaged in an aerosol spray can for easy application. Additionally, PURITY FG2 with Microl MAX Spray contains an anti-microbial preservative to protect the lubricant from deterioration, fouling and odour caused by microorganisms. PURITY FG2 with Microl MAX Spray can be used in a wide range of food processing applications, including bearings, slides, guides and couplings. For more information on PURITY FG2 with Microl MAX Grease, see Petro-Canada TechData IM-8057.

- **Contains an antimicrobial preservative to inhibit product degradation**
 - The antimicrobial agent provides protection to the lubricant against microbes that can cause product degradation.
 - Antimicrobial product protection is not a substitute for normal plant cleanliness practices.
- **Unique spray valve**
 - Allows the product to be sprayed even when the can is held upside down to deliver lubricant protection in any direction.

PURITY FG Silicone Spray

PURITY FG Silicone Spray is a silicone-based lubricant that forms a non-hardening film to provide moisture resistance and help prevent corrosion around heavy water wash-up areas. It can be used in many metal to non-metal applications.

- **Unique spray valve**
 - Allows the product to be sprayed even when the can is held upside down to deliver lubricant protection in any direction.

What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



PURITY FG Penetrating Oil Spray

PURITY FG Penetrating Oil Spray is a general purpose penetrating oil that can be used to help loosen rust and scale around fasteners to ease the disassembly of mechanical equipment and fittings. It is a silicone free formula to allow for easy clean up of treated surfaces to be repainted.

- **Unique spray valve**
 - Allows the product to be sprayed even when the can is held upside down to deliver lubricant protection in any direction.

Additional Features and Benefits

- Environmentally safe - Non-ozone depleting propellants (CFC free)
- Possesses credentials for use in and around food processing areas
 - H1 registered by NSF
- All fluid components comply with FDA 21 CFR 178.3570 "Lubricants with incidental food contact"

Typical Characteristics and Performance Data

Characteristics	Method	PURITY			
		FG Spray	FG2 with Microl MAX	FG Silicone Spray	FG Penetrating Oil
Net weight (g)		290	312	284	312
NSF registration		H1 121125	H1 146454	H1 146326	H1 146325
Properties without propellant					
NLGI grade		na	2	na	na
Grease Thickener Type		na	Aluminum Complex	na	na
Colour	Visual	colourless	cream	colourless	colourless
Viscosity @ 40°C (cSt)	ASTM D445	151	182 (base oil)	na	39
Four Ball Wear, scar diam (mm)	ASTM D4172	0.4	na	na	na
Four Ball Wear, scar diam (mm)	ASTM D2266	na	0.55	na	na

The values quoted above are typical of normal production. They do not constitute a specification.

Health and Safety

To obtain Material Safety Data Sheet (MSDS), contact one of Petro-Canada's TechData Info Lines.



TechData Info Lines

To reach a Customer Service Representative, please call:

Canada (English) Phone 1-800-268-5850
(French) Phone 1-800-576-1686
United States Phone 1-877-730-2369
Latin America Phone +1-416-730-2369
Europe Phone +1-416-730-2389
Asia Phone +1-416-730-2372
China Phone +86 (21) 6362-0066

You can also e-mail us at lubecsr@suncor.com

To know more about how Petro-Canada lubricants, specialty fluids, oils and greases can help maximize your equipment performance, savings and productivity, please contact us at:

North America Phone 1-866-335-3369
Europe Phone +44 (0) 121-781-7264
Germany Phone +49 (0)201 726 2913
Latin America Phone +1-416-730-2369
Asia Phone +1-416-730-2372
China Phone +86 (21) 6362-0066
E-mail Phone sales@suncor.com

Visit us on the web at lubricants.petro-canada.ca