



# **PURITY<sup>TM</sup> FG**

**Plant Tough. Food Safe.**

Industrial Food Grade Lubricants

Beyond today's standards.



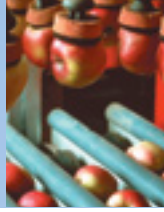
**FEATURING MICROL<sup>TM</sup>† ANTIMICROBIAL PRESERVATIVE  
TO PROTECT FOOD GRADE LUBRICANTS.**

# PURITY FG – A FULL MENU OF FOOD GRADE LUBRICANTS

## APPLICATIONS – PURITY FG FLUIDS

APPLICATION	PRODUCT	PERFORMANCE FEATURES	KEY ADVANTAGES*
Hydraulic	<b>PURITYFG AW Hydraulic Fluid with MICROL</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• 1st EPA Registered Antimicrobial Preservative to protect the lubricant</li> <li>• Excellent resistance to breakdown from air</li> <li>• Available in ISO VG 32, 46, 68, 100</li> </ul>	Antimicrobial product protection preserving the lubricant from degradation.
	<b>PURITYFG AW Hydraulic Fluid</b> Registered NSF H1 and CFIA n and n2	<ul style="list-style-type: none"> <li>• Excellent resistance to breakdown from air</li> <li>• Available in ISO VG 32, 46, 68, 100</li> </ul>	Longer fluid life leads to less downtime.
Heavy enclosed gears	<b>PURITYFG EP Gear Fluid with MICROL</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• 1st EPA Registered Antimicrobial Preservative to protect the lubricant</li> <li>• Excellent extreme pressure properties</li> <li>• Protects against damage due to wear, rust and corrosion</li> <li>• Available in ISO VG 100, 150, 220</li> </ul>	Antimicrobial product protection preserving the lubricant from degradation.
	<b>PURITYFG EP Gear Fluid</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• Excellent extreme pressure properties</li> <li>• Protects against damage due to shock loading, long-term wear, build-up of sludge and varnish, rust and corrosion</li> <li>• Available in ISO VG 100, 150, 220, 320, 460</li> </ul>	Stronger wear protection promotes fewer production upsets and higher productivity.
	<b>PURITYFG Synthetic EP Gear Fluid</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• Formulated for longer life and reduced downtime, even at high temperatures and in the presence of water or acidic contamination</li> <li>• Protects gears, bearings and equipment operating under heavy loads</li> <li>• Ideal for gearboxes, pumps and bearings operating under wide temperature swings</li> <li>• Reduces seizure, scuffing and spalling</li> <li>• Available in ISO VG 220</li> </ul>	Ideal for wide temperature application with excellent wear protection.
Chains and conveyors	<b>PURITYFG Chain Fluid</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• Excellent tackiness, resists water wash-off</li> <li>• Excellent extreme pressure properties - FZG stage 12 pass</li> <li>• Provides protection against wear, rust and corrosion</li> <li>• Suitable for brush, drip or centralized applications</li> <li>• Available in light and heavy grade</li> </ul>	High resistance to water wash-off promotes less consumption and need for reapplication.
Compressors and Vacuum Pumps	<b>PURITYFG Compressor Fluid</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• Outstanding oxidation resistance</li> <li>• 4000 hour service in rotary screw and 1000 hour service in vane compressors</li> <li>• Superb protection against rust and corrosion</li> <li>• Available in ISO VG 32, 46, 68, 100</li> </ul>	Strong resistance to sludge and varnish formation promotes reduced downtime.
Multi-functional	<b>PURITYFG Spray</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• Formulated with tackifiers to stay in place and resist water wash-off</li> <li>• High load carrying and anti-wear properties</li> <li>• Convenient method to lubricate chains, way guides, bearings, gears, open gears and other general lubrication</li> </ul>	Convenient spray leads to quick application.
Hook and trolley system	<b>PURITYFG Trolley Fluid</b> Registered NSF H1 and CFIA n	<ul style="list-style-type: none"> <li>• Protects better against wear and rust than many leading competitor fluids</li> <li>• Excellent oxidation stability</li> </ul>	Excellent wear and rust protection promotes longer equipment life.
Heat transfer system	<b>PURITYFG Heat Transfer Fluid</b> Registered NSF HT1 and CFIA t1	<ul style="list-style-type: none"> <li>• Suitable for liquid phase application up to 326°C/620°F</li> <li>• Higher thermal and oxidative stability than many leading competitors, which can result in extended fluid life and lower operating costs</li> <li>• Suitable for food related operations such as the manufacturing of food product packaging materials</li> </ul>	Great thermal and oxidative stability promotes longer life.
Release Agent Wipe Down Oil	<b>PURITYFG White Oils</b> Registered NSF H1 & 3H and CFIA n & n3	<ul style="list-style-type: none"> <li>• NF/USP quality white mineral oils</li> <li>• Available in the following grades: 15, 35, 90</li> <li>• Odourless, tasteless and will not stain</li> </ul>	High quality grade white oil.

\*Based on lab testing.



## APPLICATIONS – PURITY FG GREASES

APPLICATION	PRODUCT	PERFORMANCE FEATURES	RECOMMENDED OPERATING TEMPERATURES	KEY ADVANTAGES*
Multi-purpose grease for general plant use	<b>PURITY FG2 Grease with MICROL</b> Registered NSF H1 and CFIA n (pending) NLGI Grade 2	<ul style="list-style-type: none"> <li>1st EPA Registered Antimicrobial Preservative to protect the lubricant</li> <li>Polyurea Complex</li> <li>Very good resistance to water washout and spray loss</li> <li>Excellent anti-wear and EP properties</li> <li>Very effective protection against rust and corrosion</li> </ul>	-20°C/-4°F to 70°C/158°F	Antimicrobial product protection preserving the lubricant from degradation.
	<b>PURITY FG2 Grease</b> Registered NSF H1 and CFIA n NLGI Grade 2	<ul style="list-style-type: none"> <li>Aluminum Complex</li> <li>Greater resistance to water washout and spray loss</li> <li>Excellent anti-wear and EP properties</li> <li>Very effective protection against rust and corrosion</li> </ul>	-20°C/-4°F to 160°C/320°F	Better water washout and spray loss promotes lower consumption.
Multi-purpose grease for low temperature	<b>PURITY FG00 Grease</b> Registered NSF H1 and CFIA n NLGI Grade 00	<ul style="list-style-type: none"> <li>Aluminum Complex</li> <li>Excellent anti-wear and EP properties</li> <li>Very effective protection against rust and corrosion</li> <li>Excellent choice for leaky, enclosed gear cases and auto lube systems</li> </ul>	-35°C/-31°F to 120°C/248°F	Better water washout and spray loss promotes greater long-term equipment protection against rust and corrosion.
Multi-purpose grease for wide temperature	<b>PURITY FG2 Synthetic Grease</b> Registered NSF H1 and CFIA n NLGI Grade 2	<ul style="list-style-type: none"> <li>Calcium Sulfonate Complex</li> <li>Higher load carrying capability, excellent protection against wear</li> <li>Strong resistance to lubricant breakdown and water washout</li> <li>Effective across a wider range of temperature extremes</li> </ul>	-40°C/-40°F to 200°C/392°F	Excellent wear protection promotes longer bearing life.
Heavy duty grease	<b>PURITY FG2 Extreme Grease</b> Registered NSF H1 and CFIA n (pending) NLGI Grade 2	<ul style="list-style-type: none"> <li>High viscosity, Semi Synthetic, Aluminum Complex</li> <li>Greater protection of gears, bearings and equipment when operating from low to medium speed with heavy loads</li> <li>Effective protection in applications subjected to high temperature, high pressure, and heavy loads (such as in Pellet Mills)</li> </ul>	-20°C/-4°F to 160°C/320°F	Greater film strength sustains heavy loads.
Multi-purpose colourless grease	<b>PURITY FG2 CLEAR Grease</b> Registered NSF H1 and CFIA n NLGI Grade 2	<ul style="list-style-type: none"> <li>Contaminants are more visible</li> <li>Greater protection of gears and bearings</li> <li>Effective protection against rust and corrosion</li> </ul>	-20°C/-4°F to 160°C/320°F	Greater wear protection when compared to several other clear greases which promotes equipment protection.

\*Based on lab testing.

### NSF CLASSIFICATIONS

<b>H1</b>	Acceptable for incidental food contact
<b>H2</b>	No contact with food
<b>3H</b>	Release Agents
<b>HT1</b>	Acceptable for use as a heat transfer fluid where there is a possibility of incidental food contact

### CFIA CLASSIFICATIONS

<b>n</b>	Approved for incidental/accidental food contact
<b>n1</b>	General oils and greases (not food grade)
<b>n2</b>	Hydraulic oils (food grade and not food grade)
<b>n3</b>	Protective oils
<b>t1</b>	Refrigerant/Heat Exchanger Agents (General)

For a complete list of PURITY FG approvals, consult a Petro-Canada Technical Service Representative.



Petro-Canada's industrial strength PURITY FG lubricants are available in a complete range of plant tough, food safe formulations to meet the demands of the food industry.

