



# APPLICATION REPORT

Rev. 9/16

## FOODSAFE® FLUSHING OIL FG-22

### FOOD GRADE FLUSHING FOR OVEN CONVEYOR ROLLER BALL BEARING & PIN ROLLER CHAINS

**DESCRIPTION:** ISO 22, Very Light Viscosity, Biodegradable, Proprietary Food Grade Cleaner Compatible with Synthetics, Mineral Oils & High Temperature Oven Chain Lubricants (Note: Except PAG's)

Petrochem offers a Total Preventative Maintenance Program which consists of using Petrochem's Oven Lubricants, FOODSAFE® FLUSHING OIL FG-22 and Petrochem's air blast station to optimize lubrication intervals, keep the chain and track exceptionally clean and prevent metal wear.

The primary benefit of FOODSAFE® FLUSHING OIL FG-22 is its ability to flush out old lubricant to convert to Petrochem's Food Grade Chain Lubricants; soften, loosen and dissolve carbon residues on chains and all metal moving parts. Provides excellent Penetration, Solvency and Cleaning Power.

**APPLICATION SUMMARY:** FOODSAFE® FLUSHING OIL FG-22 flushing and cleaning process is optimized by using HEAT –Saturate the chain with this product, turn up the oven to 375°F (190°C), run oven chain in the heated oven for 2 to 3 hours, air blast chain and plow to remove debris from track.

#### PHYSICAL PROPERTIES

Property	Test Method	Typical Specification
ISO GRADE	ASTM D 445	22
Viscosity, cSt @ 40°C (104°F)	ASTM D 445	22.4
Viscosity, cSt @ 100°C (212°F)	ASTM D 445	4.1
Viscosity Index	ASTM D 2270	135
Flash Point, °C (°F)	ASTM D 92	229 (445°F)
Pour Point, °C (°F)	ASTM D 97	-15 (5 F)
Specific Gravity @ 25°C	D-1298	0.95
Biodegradability	-	95%
Odor	-	Mild
Appearance	QL 4099	Clear

#### INSTRUCTIONS FOR OVEN CHAINS:

I. Converting from X brand to Petrochem's Oven Chain Lubricant:

1. Flush and Clean Chain by using FOODSAFE FLUSHING OIL FG-22. Two of the easiest methods to apply this product are:

#1 Through the automatic oil applicator several revolutions (Deplete old oil from reservoir first)

#2 Spray on using a spray nozzle gun such as GuardAir Syphon Spray Gun Model #79SG012

(Grainger P/N #1RF86). The oil can be pumped directly from the 5-gallon pail by using this air tool.

You may have to regulate and lower the air pressure in order to reduce oil misting.

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2. Estimated usage per application: 5 to 10 Gallons of FOODSAFE FLUSHING OIL FG-22
3. Set the oven temperature to 375°F (190°C), this product needs HEAT to optimize cleaning & flushing process.
4. SMOKE – most likely will occur in the first moments when the oven is heated. This is the first cleaning reaction, however, should stop shortly. If it does not minimize within 5 minutes, reduce heat between 300F to 350F ((149°C to 178°C).
5. Run Chain for 2 to 3 hours in heated oven.
6. After using cleaner, air blast the chain while the chain is still hot several revolutions with protective covering to contain debris.
7. If you have an open area workstation, you may use an air grinder tool on the vertical rollers if you have SEVERE BUILD UP. Use a large screw drive to remove additional carbon debris between the vertical rollers and on top/bottom of horizontal rollers.
8. Plow the track with wire brush attachment or scraper several revolutions to remove dissolved and softened carbon debris fallen into track.
9. Apply the new Petrochem Oven Chain Lubricant directly to the chain. Run oven an additional one hours at 400°F (204°C) to ensure cleaner is completely evaporated from chain.
10. Resume to normal operating temperatures, lubrication intervals and production by using Petrochem's High Temperature Oven Chain Lubricant.