

## APPLICATION

### FOODSAFE WHITE GRAPHITE FG-220

**DESCRIPTION:** (ISO 220) Food Grade, 100% Fully Synthetic Formulated Ester Based Carrier fortified with suspended ultra fine white-graphite powder that provides excellent lubrication up to 1200°F. NSF H1 registered for incidental contact with food in and around food processing areas.

- Carrier has a very high flash point of 605°F (318°C)
- Extended Lubrication up to 1200°F Plus (650°C)
- Fire Point, °F (°C) 670°F (355°C)

#### APPLICATIONS:

FLOUR AND	WOOD LAMINATING
CORN TORTILLA	OVEN CHAINS
OVEN CHAINS	FIBERGLASS
PITA OVEN	PRODUCTION
CHAINS	CEMENT PLANTS
BAKERY OVEN	KILN CAR WHEEL
CHAINS	BEARINGS &
ROLLER BALL	SUPPORT ROLLERS
BEARING	BEVERAGE CAN
CHAINS ON	LINES
OVEN	LITHOGRAPHIC
CONVEYORS	CHAINS
PIN/ROLLER	DRYING OVENS
CHAINS ON	PAINT OVEN
TUNNEL & TRAY	CHAINS
OVENS	
TENTER FRAME	
OVEN CHAINS	

#### DIRECTIONS:

Note: There currently is no automated lubricator system available for the White Graphite oil. Good news is that there is a prototype in the field for testing and there may be a system available in the near future. The issue has been how to keep the White Graphite suspended in the reservoirs effectively and have a system prevent the white graphite from getting clogged in the nozzles.

- 1.) The FOODSAFE WHITE GRAPHITE FG-220 oil can be applied on chains with temperatures up to around 605 degrees F (318 C). The carrier is rated for these temperatures and determines the maximum recommended lubrication application.
- 2.) After the carrier evaporates, the White Graphite becomes the dry lubricant that is rated for temperatures up to 1200F (650C).
- 3.) The lubricant can be applied by hand via brush or some type of portable spraying system. I have attached a model that can be used to shake the oil and white graphite mixture and spray onto the chain manually.



[www.chapinmfg.com](http://www.chapinmfg.com)

2 Gallon CHAPIN SPRAY MODEL #22350 Available through Grainger, Sears, Lowes

3 Gallon CHAPIN SPRAY MODEL #22360 GRAINGER P/N # 3XL17

4.) Lubrication Intervals are dependent on the number of hours in operation and the temperatures. Maintenance will have to closely monitor the first week to determine if the chain needs to be lubricated daily, every other day, or third day maximum for manual applications.

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