

# DuPont™ Krytox® H-1 Food Grade Lubricants

OILS AND GREASES FOR THE FOOD PROCESSING INDUSTRY

EXTREME CONDITIONS. EXTREME PERFORMANCE.



ISO 9001:2008 certified



*The miracles of science™*



In an oven at 232 °C (448 °F) for 40 hours, Krytox® lubricant had 0% weight loss.



In an oven at 232 °C (448 °F) for 40 hours, the hydrocarbon lubricant had 40% weight loss.

## Introduction

Choosing the right lubricant for your equipment just got a lot easier with H-1 certified DuPont™ Krytox® FG oils and greases.

As with the full line of Krytox® lubricants, Krytox® FG oils and greases deliver superior performance with advanced features of high-temperature stability, nonflammability, and chemical and biological inertness. Krytox® lubricants will not carbonize or form gummy deposits that typically cause failures, nor will they evaporate. Therefore, maintenance costs can be significantly reduced.

The composition of Krytox® lubricants allows them to function in a wide range of operating temperatures and chemical environments. Krytox® lubricants will not break down under mechanical stress. The oils are clear, colorless, and odorless, and the grease is white.

Krytox® lubricants comply fully with USDA performance standards for designated uses. These lubricant products are not intended to be used as direct food additives. Use Krytox® oils and greases whenever a long lasting, tenacious, chemically inert lubricant is needed for your demanding applications.

## Stability and Compatibility

Krytox® oils contain only carbon, oxygen, and fluorine. The oils will not burn or support combustion, even in 100% liquid or gaseous oxygen. They are chemically inert and will not break down in the presence of most chemicals.

Because Krytox® lubricants are essentially inert, they are safe to use with most metals, plastics, and seal materials, and they are completely resistant to water and steam.

Krytox® lubricants protect bearings and other components under a wide range of load and speed conditions. Components run quieter, and wear protection is extended. Krytox® lubricants will not break down under extreme pressure or high mechanical stress.

Various grades of Krytox® lubricants are serviceable for long periods of time at continuous temperatures between –60 and 300 °C (–58 and 600 °F). There are also special grades that can routinely handle temperatures of 350 °C (662 °F) and withstand peaks up to 400 °C (752 °F) for shorter periods of time.

Use Krytox® lubricants on chains, bearings, valves, seals, or any place a long lasting lubricant is needed.

## Safety and Environmental Protection

Using Krytox® greases and oils:

- reduces the need for hydrocarbon lubricants
- helps allay any concerns about emissions or other potential environmental impact
- avoids the inconvenience and cost associated with the disposal of hydrocarbon-based oils and greases.

Krytox® greases and oils are nontoxic, easy to handle, and do not release volatile organic compounds to the atmosphere. Additionally, DuPont has a regeneration program that reclaims used oil and restores it to its original properties. This lowers the overall cost of lubrication and eliminates safety and environmental disposal problems.

## Benefits in Use

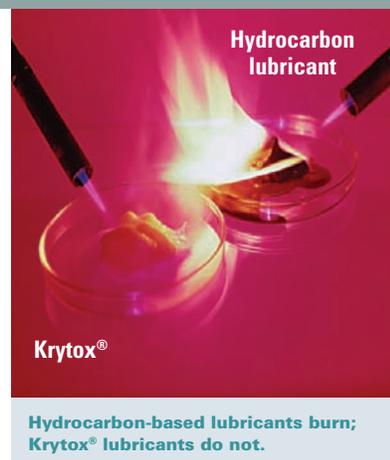
The extended life you will see with Krytox® lubricants means longer relubrication intervals, less maintenance,

and improved cleanliness. The overall superior stability of Krytox® lubricants also can result in less downtime and fewer failures due to lubricant carbonization, evaporation, or other deterioration. Water washout and steam cleaning will not affect Krytox® lubricants. In addition, because Krytox® lubricants can be used in many applications and last so long, your total lubricant inventory can be reduced, as well as the need for frequent movement of drums around your facility.

The combination of all of these factors translates to *long-term cost savings* for your business.

## Additional Information and Literature Requests

More detailed data sheets showing specific properties for each Krytox® lubricant product are available upon request.



## Applications

Type	Products	Applications	Comments
Multipurpose Greases	FG20 FG22 FG24	Bearings, valves, seals, O-rings	For noncorrosive environments at standard operating temperatures
Anticorrosion Greases	FG30 FG32 FG34	Bearings, valves, seals, O-rings	For corrosive environments at standard operating temperatures
High-Temperature Greases	FG26 FG36	Bearings and chains	FG36 contains corrosion inhibitor
Lubricating Oils	FG40 FG45 FG50	Chains, compressors, bearings, gear boxes	FG45 is formulated for high temperatures FG50 contains corrosion inhibitor
Vacuum Pump Fluids	FG10 FG12 FG15	Mechanical pumps	



## DuPont Performance Lubricants

**Extreme conditions. Extreme performance.**

For more information or for technical assistance, please call **1-800-424-7502** or contact us at **[krytox@usa.dupont.com](mailto:krytox@usa.dupont.com)**.

For international sales and support contacts, visit us at **[www.lubricants.dupont.com](http://www.lubricants.dupont.com)**.

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