

BioBlend's Food Grade line of lubricants are designed to meet stringent regulatory standards, such as those set by the FDA and NSF, ensuring they are safe for incidental food contact. Unlike conventional lubricants, food grade variants are formulated with non-toxic, odorless, and tasteless base oils and additives to prevent contamination of food products.

BioBlend primarily offers lubricants that are registered H1 for incidental food contact. Each of our food grade hydraulic fluids and gear oils are offered in the most common ISO grades to provide the best fit for your equipment. Our greases have been carefully formulated to provide a great range of performance and reliability for many applications. Many of BioBlend's food grade products offer superior performance under a variety of temperatures, high loads, and frequent washdowns common in food processing plants. Their resistance to oxidation and thermal degradation ensures consistent performance, reducing equipment downtime and maintenance costs.

High-quality food grade lubricants also provide excellent wear protection, corrosion resistance, and compatibility with seals and other materials used in food machinery. For example, they can withstand the harsh conditions of freezers, ovens, or high-pressure cleaning systems while maintaining their viscosity and protective properties. This reliability is crucial for equipment like conveyors, mixers, and packaging machines, where consistent lubrication prevents costly breakdowns.

BioBlend will help you choose the right food grade lubricant today! bioblend.com | 888.246.2563.

FOOD GRADE

Hydraulic Fluids Gear Oils Greases

White Oils

Heat Transfer Fluids



Registrations Including: H1, HX-1 & HT1
Consult datasheets for details

Common Packages

Pails • Drums • *Aersol

Kegs • Totes/Bin

****14 oz Cartridges***

*Limited selection, consult your BioBlend Representative for details



Hydraulic Fluids

TruFlo FG

General-purpose, food grade, zinc-free hydraulic fluid formulated from premium white oils. It includes antiwear, anti-foam, and anti-corrosion additives to protect hydraulically operated food processing and packaging equipment.

ISO Grade	Test Method	32 46 68
Product Code		TFFG32 TFFG46 TFFG68
Viscosity @ 40°C	ASTM D445	32 46 68
Pour Point °F (°C)	ASTM D97	-5 (-15) All Grades
Flash Point °F (°C)	ASTM D97	>400 (>210) >400 (>210) >440 (>227)
Registrations		NSF H1

Hydraulic systems requiring a H-1 registered fluid. Consult your equipment owner’s manual or manufacturer to ensure compatibility.

BioFlo FG 32/46

BioFlo FG 32/46 is a multi-viscosity, readily biodegradable, high performance, food grade hydraulic fluid that meets the requirements for high-pressure antiwear hydraulic fluids for the food processing industry. BioFlo FG32/46 is NSF registered as meeting the guidelines of an H1 product for incidental food contact. Excellent lubricity and temperature stability provide efficient power transfer and superior service life with minimal viscosity change over a broad range of applications.

ISO Grade	Test Method	40
Product Code		BFFG3246
Viscosity @ 40°C	ASTM D445	40
Pour Point °F (°C)	ASTM D97	8 (-13)
Flash Point °F (°C)	ASTM D92	>550(288)
Registration		H-1

Hydraulic systems requiring a biobased or readily biodegradable H-1 registered fluid. Consult your equipment owner’s manual or manufacturer to ensure compatibility.

Gear Oils

TruGear FG

Formulated from premium white oils, containing extreme pressure, antiwear, and anti-corrosion additives to protect gears, bearings, and shafts in a variety of enclosed gear systems.

ISO Grade	Test Method	100 150 220 320 460XT 680
Product Code		TGFG100 TGFG150 TGFG220 TGFG320 TGFG460XT TGFG680
Viscosity @ 40°C	ASTM D445	100 150 220 320 460 680
Pour Point °F (°C)	ASTM D97	10 (-12) All Grades
Flash Point °F (°C)	ASTM D97	>500 (>260) All Grades
Registrations		NSF H1

Gear systems requiring an H-1 registered oil. Consult your equipment owner’s manual or manufacturer to ensure compatibility.

Multi-Purpose Oil

Odor free • Low toxicity • Cleans & lubricates Protects against rust and corrosion • Reduces wear and friction Displaces moisture • Excellent temperature stability

ISO Grade	Test Method	28
Product Code		BBMPO
Viscosity @ 40°C	ASTM D445	28
Pour Point °F (°C)	ASTM D97	-0 (-18)
Flash Point °F (°C)	ASTM D92	>350 (>177)
Registration		H-1

Oven and conveyer chains • Wire ropes • Cables • Slides Open mechanisms • Hinges • Bearings • Rollers • Gears • Sprockets And other commercial, household, and general lubrication applications • Available in aerosol and liquid

Greases

TruGrease FG AP 2

Excellent resistance to pounding or slinging out • High dropping point of 600°F (315°C) • Exceptional resistance to water washout • Highly acid and corrosion resistant • Excellent thermal and oxidation stability • Excellent pumpability

Product Code	TGFGAP2
NLGI	2
Base Oil	White Mineral
Base Oil Viscosity @ 40°C, cSt	100
Thickener (Soap)	Overbased Calcium Sulfonate
Registration	NSF H1

Central lubrication systems • Bakeries • Fruit & vegetable processing operations • Beverage filling and packaging Packing plants • Dairies • Water treatment plants

TruGrease FG APS 200

Excellent resistance to pounding or slinging out • High dropping point of 600°F (315°C) • Exceptional resistance to water washout • Highly acid and corrosion resistant • Excellent thermal and oxidation stability • Excellent pumpability

Product Code	TGFGAPS200
NLGI	1
Base Oil	Full Synthetic
Base Oil Viscosity @ 40°C, cSt	217
Thickener (Soap)	Overbased Calcium Sulfonate
Registration	NSF H1

Central lubrication systems • Bakeries • Fruit & vegetable processing operations • Beverage filling and packaging Packing plants • Dairies • Water treatment plants

TruGrease FG APS 400

Excellent resistance to pounding or slinging out • High dropping point of 600°F (315°C) • Exceptional resistance to water washout • Highly acid and corrosion resistant • Excellent thermal and oxidation stability • Excellent pumpability

Product Code	TGFGAPS400
NLGI	1, 2
Base Oil	Full Synthetic
Base Oil Viscosity @ 40°C, cSt	410
Thickener (Soap)	Overbased Calcium Sulfonate
Registration	NSF H1

Central lubrication systems • Bakeries • Fruit & vegetable processing operations • Beverage filling and packaging Packing plants • Dairies • Water treatment plants

White Oils

TruFlo FG WO

- Colorless • Odorless • Tasteless • Kosher • Halal (Totes only)
- NSF H1, 3H (Totes only), and HX-1 (Totes only) Registered
- Helps minimize staining of equipment

Properties	Test Method
Product Code	TFFGWO5 TFFGWO7 TFFGWO9 TFFGWO19 TFFGWO21 TFFHWO35
Viscosity @ 40°C	ASTM D445 6.9 12.1 16.9 37.3 43 68
Pour Point °F (°C)	ASTM D97 -5 (-20) -20 (-28) 5 (-15) 5 (-15) 10 (-12) 10 (-12)
Flash Point °F (°C)	ASTM D92 305 (151) 360 (182) 390 (198) 430 (221) 440 (226) 450 (232)
Registration	NSF H1

Any application requiring a white oil that is registered H1 for incidental food contact. Consult you equipment owner's manual and/or manufacturer to confirm suitability of this product for your application.



High Temperature Food Grade Chain Oil

TruFlo HT Chain 46

TruFlo HT Chain 46 is a high performance chain oil formulated with synthetic polyol ester base stocks for lubrication of food processing equipment. It is registered for NSF H1, HX-1 for incidental food contact under the requirements of FDA 21 CFR 178.3570.

- High purity synthetic base oil for food grade application and high temperature performance

ISO Grade	46
Product Code	TFHTC46
Viscosity @ 40°C	44-48
Pour Point °F (°C)	-31 (-35)
Flash Point °F (°C)	473 (245)
Registration	H-1, HX-1

For use on chains in manufacturing facilities where incidental food contact may occur and high temperatures are a concern.

Please contact your BioBlend Representative or

visit bioblend.com to obtain more detailed

Product Data Sheets (PDS) and corresponding

Safety Data Sheets (SDS) for any of these products..

Heat Transfer Fluid, Non-Fouling

TruBlend HTF NF

TruBlend HTF NF is a premium non-fouling heat transfer fluid. HTF NF is derived from the highest purity hydrotreated white oils to ensure superior performance in the most challenging applications. This fluid meets the FDA's 21CFR 172.878 and 21 CFR 178.3620(a) specification and will be registered NSF HT-1 for food grade applications. TruBlend HTF is also typically compatible with your existing heat transfer fluid (contact your BioBlend representative for confirmation).

Superior thermal stability and efficiency • Low viscosity index provides for quick start up • Highly purified hydrotreated base oil for outstanding performance • Protects against wear on seals, packing glands and gaskets • Non-fouling, easy to filter and maintain

Properties	Test Method	20
Product Code		TBHTFNF
Viscosity @ 40°C	ASTM D445	20
Pour Point °F (°C)	ASTM D97	-40 (-40)
Flash Point °F (°C)	ASTM D92	340 (171)
Fire Point °F (°C)	ASTM D92	385 (196)
Fired Heater - Maximum Operating Temperature	°F (°C)	600 (316)
Other Heater - Maximum Operating temperature	°F (°C)	630 (332)
Registration		HT-1

Heat Transfer Fluid Testing Program

BIOBLEND THERMAL FLUID TESTING PROVIDES A COMPREHENSIVE ANALYSIS TO ENSURE EFFICIENT HEAT TRANSFER AND MINIMIZE RISKS ASSOCIATED WITH THESE FLUIDS.

- Suitable for thermal and heat transfer fluids
- Comprehensive test package to monitor all aspects of the fluid condition
- Assess the risk of any flammability hazards
- Ensure the fluid provides efficient heat transfer
- Prevent insoluble from causing poor fluid circulation
- Monitor for water contamination to prevent fluid bumping

