

urschelube®

FOOD GRADE LUBRICANTS



Urschelube is the Urschel brand of FDA/NSF/USDA H-1 food grade lubricants. Urschelube products are recommended for use in Urschel cutting machinery and may be used in other industrial equipment in food processing plants or pharmaceutical plants requiring NSF H1 registered food grade grease or oil. Routine use of Urschelube lubricants will greatly extend the life of your Urschel equipment and reduce the cost of maintenance.

Working extensively with Urschel Laboratories, Inc., Urschelube food grade lubricants are manufactured and packaged by High Performance Lubricants LLC. Urschelube food grade lubricants meet the FDA CFR Title 21 regulatory requirement as manufactured by High Performance Lubricants.

Endorsed by Urschel Engineering, Urschelube Food Grade Lubricants offer the following advantages:

urschelube®

FOOD GRADE OIL

FDA ISO 22 & ISO 100

- ◆ NSF (H-1) Registration #147665 & #147664
- ◆ Efficient in Low/High Temperatures
- ◆ Colorless and Odorless
- ◆ Produced from High Quality Base Oils
- ◆ Excellent Corrosion Protection
- ◆ Outstanding Anti-Wear Properties
- ◆ Promotes Longer Oil Life
- ◆ Extremely Water Resistant
- ◆ Lower Coefficient of Friction
- ◆ Filtered ISO 14/13/11 (ISO 4406)

Clean filtered oil can extend the life of equipment by up to four times.

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FOOD GRADE GREASE

FDA #1.5 CLEAR & FDA #0 CLEAR FOOD GRADE GREASE

- ◆ NSF (H-1) Registrations #148158 & #148200
- ◆ Aluminum Complex Grease
- ◆ Retards Bacteria/Fungus Growth
- ◆ Extremely Water Resistant
- ◆ Non-Toxic, Non-Staining
- ◆ Nondrying Formula
- ◆ Contains PTFE
- ◆ Prevents Rust, Corrosion
- ◆ Biodegradable
- ◆ Reduces Friction

For use in a wide range of temperatures from 0° F (-18° C) to 400° F (204° C).

FDA #2 WHITE FOOD GRADE GREASE

- ◆ NSF (H-1) Registration #148342
- ◆ Aluminum Complex Grease
- ◆ Retards Bacteria/Fungus Growth
- ◆ Extremely Water Resistant
- ◆ Superior Adhesive/Cohesive Strength
- ◆ Polymer Additives
- ◆ Non-Pound Out Formula
- ◆ Bacteriostatic Agent
- ◆ Anti-Wear Additives
- ◆ Reduced Lube Consumption

For use in a wide range of temperatures from 0° F (-18° C) to over 400° F (204° C).

Urschelube Food Grade Oil

ISO Grade	22	100
Viscosity		
cSt@40°C	22	100
cSt@100°C	4.7	12.8
Viscosity Index	133	123
Specific Gravity	0.83	0.86
Density, Lb/Gal.	6.9	7.16
Flash Point (ASTMD-92)	>430°F (221°C)	>428°F (220°C)
Copper Corrosion	1A	1A
D-1401 Demulsibility Test	Pass	Pass
Foam Tendency Sequence II	Pass	Pass
ISO Cleanliness	14/13/11	15/14/12
Part Numbers		
5 Gallon Pail	-	25641
4X1 Gallon Case	67282	25674
NSF (H1) Registration Number	147665	147664

Urschelube Food Grade Grease

NLGI Grade	#0	#1.5	#2
Thickener	Aluminum Complex	Aluminum Complex	Aluminum Complex
Color/Appearance	Clear	Clear	White Grease
Dropping Point (ASTDM-566)	500°F (260°C)	500°F (260°C)	500°F (260°C)
Specific Gravity	0.88	0.88	0.94
Density, Lb/Gal.	7.3	7.3	7.8
Additive Type	Organic, R&O, PTFE	Organic, R&O, PTFE	Zinc Oxide & Organic R&O
Flash Point (ASTMD-92)	>430°F (221°C)	>430°F (221°C)	>430°F (221°C)
Autoignition Point (Calculated)	>500°F (260°C)	>500°F (260°C)	>500°F (260°C)
Copper Corrosion	1A	1A	1A
Penetration @ 77°F	355 - 385	285 - 315	265 - 295
Shell 4-Ball (ASTM D-2596)			
Weld Point, kgf	126	126	200
Load Wear Index	25	25	30
Wear Scar Diameter (ASTDM-2266)	0.7	0.7	0.7
Oxidation Resistance (ASTDM-942)			
PSI Drop, 100 Hours	<5.0	<5.0	<5.0
Base Oil Viscosity (ASTDM-445)			
cSt@40°C	100-150	100-150	90-110
cSt@100°C	14.3 typical	14.3 typical	-
Part Numbers			
14 oz. Tube	98280	98283	98287
35 Lb. Pail	98281	98284	-
120 Lb. Keg	98282	98285	-
NSF (H1) Registration Number	148200	148158	148342