



TECHNICAL DATA

102 Barton Street, St. Louis, Missouri 63104

In-State (314) 865-4100/Out of State 800-325-9962/Fax (314) 865-4107 <http://www.schaefferoil.com>

#L272 NO TACK SYNTHETIC FOOD GREASE H-1

No Tack Synthetic Food Grease H-1 is a fully synthetic extreme pressure, anti-wear, high temperature grease that is specially formulated for use in the lubrication of food, feed and pharmaceutical processing and packaging equipment, especially where automatic lubrication systems require a non-tackified lubricant.

No Tack Synthetic Food Grease H-1 meets the requirements for a USDA H-1 quality lubricant and the requirements of the United States Code of Federal Regulations 21CFR 178.3570, 178.3620(b), and 573.680 of the United States Food and Drug Administration's Regulations.

No Tack Synthetic Food Grease H-1 can be used in the lubrication of ball, roller, journal and sliding bearing applications and chain applications, where there is a chance of incidental contact with food, foodstuffs, drinking water, potable water, or ground water may occur. This product is very effective in equipment designed for pelleting and particle size reduction. Applications such as feedmilling, oilseed extraction, recycling or other particle size reduction benefit from the advanced additives and base oils in Schaeffler's No Tack Synthetic Food Grease H-1.

Synthetic Food Grade Grease H-1 is compounded from the highest quality, severely hydro-finished technical white Polyalphaolefin (PAO) synthetic base fluids available. Blended into the hydro-finished technical white PAO synthetic base fluids are a bentone base thickener, adhesive/cohesive additive and other selected performance additives. This formulation provides No Tack Synthetic Food Grease H-1 with the following outstanding performance features:

1. Excellent resistance to water washout and water spray-off
2. Excellent cold temperature starting and pumpability
3. Excellent shear and mechanical stability
4. Superior anti-wear and extreme pressure load carrying properties
5. Excellent rust and oxidation inhibiting characteristics
6. Excellent resistance to oxidation and thermal degradation
7. No dropping point
8. Excellent resistance to acidic compounds
9. Excellent resistance to wash out, pound out, splatter and squeeze out
10. Excellent ability to retain its consistency and resist separation of its base oils.

Continued on Next Page

Further blended into No Tack Synthetic Food Grease H-1 is a unique blend of USDA and FDA acceptable preservatives. These food grade preservatives provide the product with an effective way to control, inhibit and retard the growth of bacteria, yeast and molds that may come into contact with No Tack Synthetic Food Grease H-1 during use. These preservatives are not an antiseptic or sterilizing agent but do effectively prevent bacterial growth and control microbiological proliferation if the No Tack Synthetic Food Grease H-1 becomes contaminated during use.

No Tack Synthetic Food Grease H-1 has an operating temperature range of -40° to 260°C (-40 to 500°F).

TYPICAL PROPERTIES

NLGI Grade	2
Type of Thickener	Bentone
Worked Penetration 60 Strokes (ASTM D-217)	265-295
Roll Stability (ASTM D-1831) % Change in consistency	9.0
Four Ball EP Test (ASTM D-2596) Weld Point, kg	250
Load Wear Index, kg	33.7
Four Ball Wear Test (ASTM D-2266) 40kg/1200rpm/1 hr./167°F Scar Diameter, mm	0.6
Timken EP Test (ASTM D-2509) OK Load lbs.	50
Falex EP Continuous Load (ASTM D-3233 Procedure A) Failure Load, lbs	1360
Oxidation Stability (ASTM D-942) PSI Loss @ 100 hours	0.5
PSI Loss @ 300 hours	1.5
Rust Inhibition Test (ASTM D-1743)	1,1,1
Water Washout Characteristics (ASTM D-1264)	3.3%
Water Spray Off Test (ASTM D-4049) % Loss	15%
Evaporation Loss (ASTM D-2595) @ 121°C, 22 hours	0.5%
Copper Strip Corrosion Test (ASTM D-4048)	1a

Typical properties continued on next page

Low Temperature Torque
(ASTM D-1478)

@ -54°C

Starting Torque g. cm. 5,605

Running Torque g. cm 2,330

Lincoln Ventmeter

PSI @ 38°C (100°F) 350

PSI @ -1°C (30°F) 450

PSI @ -18°C (0°F) 1000

PSI @ -29°C (-20°F) 1150

PSI @ -40°C (-40°F) 1750

BASE OIL PROPERTIES

Viscosity 40°C cSt (ASTM D-445) 76.34

Viscosity 100°C cSt (ASTM D-445) 10.17

Viscosity Index (ASTM D-2270) 116

Flash Point °F/°C (ASTM D-92) 487°/253°

Pour Point °F/°C (ASTM D-97) -35°/-37°

Packaging: #L272 No Tack Synthetic Food Grade Grease is available in 420lb drums, 120lb kegs, 40lb pails. All drums and kegs are lined with plastic unless otherwise requested.