

272 NO TACK SYNTHETIC FOOD GREASE H-1

No Tack Synthetic Food Grease H-1 is a synthetic extreme pressure, anti-wear, high temperature, high base oil viscosity grease that is specially formulated for use in the lubrication of low to medium speed, heavily loaded bearings found in food, feed and pharmaceutical processing and packaging equipment. No Tack Synthetic Food Grade Grease H-1 is especially recommended for those applications that are subjected to high temperature, high pressures and heavy loads while operating continuously such as animal feed mills and where automatic lubrication systems are used that require a grease that does not contain any tackifier or adhesive or cohesive additives.

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 and is registered with and meets NSF International's guidelines for use as a lubricant with incidental contact (H1) in and around food processing areas.

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 the lubrication of equipment applications designed for pelletizing and particle size reduction. Applications such as feed milling, oilseed extraction, and recycling or other particle size reduction benefit from the advanced additives and base oils in Schaeffer's No Tack Synthetic Food Grease H-1. Other applications found in the following industries can also benefit from the use of No Tack Synthetic Food Grade Grease H-1 include the following industries:

Meat and Poultry Processing Plants
Fish and Seafood Processing Plants
Soft Drink and Bottling Plants
Cheese and Cheese Product Producers
Snack Food Manufacturers
Pet Food and Animal Feed Producers
Pharmaceutical and Drug Manufacturers
Food and Beverage Container Manufacturers
Water Well Drillers

Egg Processing Plants
Breweries and Wineries
Vegetable and Fruit Processors
Bakeries
Pasta Manufacturers
Oil Mills and Seed Cake Processors
Cosmetic Manufacturers
Paper and Paperboard Manufacturers
Drinking and Potable Water Treatment Plants

No Tack Synthetic Food Grade Grease H-1 is compounded from the highest quality, severely hydrofinished technical white polyalphaolefin (PAO) synthetic base fluids, bentone base thickener and other selected performance additives. This formulation provides No Tack Synthetic Food Grease H-1 with the following outstanding performance features:

- Excellent resistance to water washout and water jet spray-off
- Very good low temperature starting and pumpability
- Excellent shear and mechanical stability
- Superior anti-wear and extreme pressure load carrying properties and protection of gears, bearings and equipment in highly loaded or shock loaded situations
- Excellent rust and oxidation inhibiting characteristics
- Excellent resistance to oxidation and thermal degradation
- No dropping point
- Excellent resistance to acidic compounds
- Excellent resistance to wash out, pound out, splatter and squeeze out
- Excellent ability to retain its consistency and resist separation of its base oils.

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.

Operating temperature range for No Tack Synthetic Food Grease H-1 is 15°F to 600°F (-9°C to 316°C).

This product is acceptable as a lubricant with incidental food contact (H1) for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the compound must be removed from the equipment surface by washing or wiping, as required to leave the surface effectively free of any substance which could be transferred to food being processed.

NSF Registration number for No Tack Synthetic Food Grade Grease is 140923

No Tack Synthetic Food Grade Grease H-1 is free of genetically modified substances (GMS), gluten and does not contain and is manufactured in a facility that does not manufacture, store or otherwise handle any sesame seeds, milk, eggs, fish and shellfish, soy, wheat and sulphates. No Tack Synthetic Food Grade Grease H-1 does not contain any natural products that are derived from animals, nuts or genetically modified organisms. These products and the raw materials used in their formulation also do not contain any allergens, Bovine Spongiform Encephalopathy (BSE), Transmissible Spongiform Encephalopathy (TSE) or Animal Derived Products and their use will not promote the growth of bacteria and fungal organisms.

TYPICAL PROPERTIES

NLGI Grade	2
Specific Gravity 60°F	0.8958
Type of Thickener	Bentone
Worked Penetration 60 Strokes (ASTM D217)	265-295
Roll Stability (ASTM D1831) % Change in consistency	9.0
Four Ball EP Test (ASTM D2596) Weld Point, kg	315
Four Ball Wear Test (ASTM D2266) 40kg/1200rpm/1 hr./167°F Scar Diameter, mm	0.5
Timken EP Test (ASTM D2509) OK Load lbs.	55
Falex EP Continuous Load (ASTM D3233 Procedure A) Failure Load, lbs	1360
Oxidation Stability (ASTM D942) PSI Loss @ 100 hours PSI Loss @ 300 hours	0.5 1.5
Rust Inhibition Test (ASTM D1743)	1,1,1
NLGI Grade	2
Water Washout Characteristics (ASTM D1264)	3.3%
Water Spray Off Test (ASTM D4049) % Loss	15%

Evaporation Loss (ASTM D2595)	
@ 250°F (121°C), 22 hours	0.5%
Copper Strip Corrosion Test	1a
(ASTM D4048)	
Lincoln Ventmeter	
PSI @ 70°F (21°C)	150
PSI @ 30°F (-1°C)	300
PSI @ 0°F (-18°C)	1000

BASE OIL PROPERTIES

Viscosity 40°C cSt (ASTM D445)	391-479
Viscosity 100°C cSt (ASTM D445)	32.50-34.00
Viscosity Index (ASTM D2270)	119
Flash Point °F/°C (ASTM D92)	401°/205°