

TECHNICAL DATA

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195 SUPERTAC FOOD GRADE GREASE H1

Supertac Food Grade Grease H1 is an 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 those pieces of equipment that are subjected to high loads and high moisture conditions.

Supertac Food Grade Grease H1 meets the requirements for a USDA H1 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.

Supertac Food Grade Grease H1 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. Typically, these applications can be found in 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

Supertac Food Grade Grease H1 is compounded from a unique blend of the highest quality, food grade white white and synthetic base fluids, aluminum complex base thickener, adhesive/cohesive additives, and other selected performance additives.

This formulation provides with the following outstanding performance features:

- Excellent pumpability characteristics for use in centralized lube systems.
- Excellent resistance to water washout and water spray-off
- Excellent shear and mechanical stability.
- Superior anti-wear and extreme pressure load carrying properties.
- Excellent rust and oxidation inhibiting characteristics.
- Excellent resistance to oxidation.
- A high dropping point.
- Excellent resistance to acidic compounds.
- Protection against rancidity and build-up due to bacterial and fungal growth
- Excellent resistance to wash out, pound out, splatter and squeeze out.
- Excellent ability to retain its consistency and resist separation of its base oils.

Supertac Food Grade Grease H1 NLGI 1 has an operating temperature range of 0° to 350°F and NLGI 2 has an operating temperature range of 30°F to 400°F.

TYPICAL PROPERTIES

NLGI Grade	1	2
Type Thickener	Aluminum Complex	Aluminum Complex
Texture	Smooth, Tacky	Smooth, Tacky
Color	White	White
Worked Penetration 60 strokes (ASTM D217)	310-340	265-295
Dropping Point (ASTM D566) °F/°C	450/232.2	493/256
Four Ball Wear (ASTM D2266), scar diameter, mm	0.48	0.39
Four Ball EP Weld Point (ASTM D2596), kg	400	400
Four Ball Load Wear Index (ASTM D2596), kg	65	65
Timken OK Load, (ASTM D2509), lb	40	50
Water Spray-off (ASTM D4049), % loss		5
Oxidation Stability (ASTM D942), psi loss	5	5
Oil Separation (ASTM D6184) (30 hours@100°C) % bleed	8	2
Lincoln Vent Meter, psi		
50°F/10°C	<100	<100
30°F/-1.1°C	<100	<100
0°F/-17.8°C	<100	<100
Base Oil Properties		
Viscosity @ 40°C (ASTM D445), cSt	100	100
Viscosity @ 100°C (ASTM D445), cSt	11.7	11.7
Viscosity Index (ASTM D2270)	105	105
Flash Point (ASTM D92, COC), °F/°C	421/216	421/216
Pour Point (ASTM D97), °F/°C	-22/-30	-22/-30