



SHELL CASSIDA[®] GREASE HTS 2

High temperature grease for the food industry

Product Description

Shell Cassida[®] Grease HTS 2 is a high performance, high temperature lubricant specially blended for the grease lubrication of machinery used in food and beverage processing and packaging industry. It is based on a bentone thickener, synthetic fluid and selected additives chosen for their ability to meet the stringent requirements of the food industry.

Registered by NSF (Class H1) for use where there is potential for incidental contact with food. This product meets the former guidelines (1998) of the US Department of Agriculture Food (USDA) for H1 use (lubricant with incidental food contact). Product contains only substances permitted under US 21 CFR 178.3570, 178.3620 and 182 for use in lubricants with incidental food contact.

Applications

- grease lubrication where operating temperature are up to short time peaks of 220° C
- plain and rolling element bearings
- centralized automatic lubrication systems
- joints, linkages and slides

Features/Benefits

- excellent high temperature performance
- good water resistance
- good oxidation and mechanical stability
- effective corrosion prevention characteristics
- good adhesive properties
- neutral odor and taste
- synthetic lubricant; does not contain any natural products derived from animals or genetically modified organisms (GMOs)
- suitable for use where vegetarian food is prepared
- biostatic; does not promote the growth of bacteria or fungal organisms
- compatible with the elastomers, gaskets, seals and paints normally used in lubrication systems employed in the food processing and packaging industry

Operating Temperature Ranges

- -30°C (-22°F) to 200°C (392°F) continuous operation
- to 220°C (428°F) short time peak temperature

Approvals and Recommendations

Approved for use in Kosher and Halal food production.

Incidental Food Contact

Registered by NSF (Class H1) and meets the former USDA H1 guidelines (1998) for lubricants for use where there is a potential for incidental contact with food. Made only from substances permitted under the US FDA Title 21 CFR 178.3570 and 178.3620 and/or those generally regarded as safe (US 21 CFR 182) for use in food grade lubricants. To comply with the requirements of US 21 CFR 178.3570, contact with food should be avoided where possible. In the case of incidental food contact, the concentration of this product in the food must not exceed 10 parts per million (10mg/kg of foodstuff). In locations and/or applications where local legislation does not specify maximum concentration limits, this same 10 ppm limit should be observed, as up to this concentration **Shell Cassida®** products will not impart undesirable taste, odor or color to food.

Handling & Storage

All food grade lubricants, such as **Cassida® Grease HTS**, should be stored separately, out of direct sunlight or other heat sources, from other lubricants, chemical substances and foodstuffs. Store between 0°C and 40°C. Provided that the product has been stored under these conditions, use Cassida Grease HTS within 3 years of the date of manufacture. Accept new **Cassida® Grease HTS** products only if the manufacturer's seal is intact, and then record the date the seal was broken. Before opening the pack ensure the area around the closure is clean. To prevent product contamination, always close package after use. It is recommended that it be cleaned with **Cassida® PL** or **Cassida® Flushing Fluid** and/or potable water. Once package has been opened, use within 2 years or within 3 years of manufacturing date, whichever is soonest.

Typical Properties of Shell Cassida® Grease HTS 2

	Test Method	NLGI Grade
		2
Product Code		71244
NSF Registration No.		119108
Appearance		Beige
Thickener Type		Bentonite
Base Oil Type		Synthetic
Viscosity @40°C, cSt	D445	400
Dropping Point, °F	Mettler	500+
Penetration, dmm Worked 60X	D 217	285

Handling & Safety Information

As for all lubricants, prolonged or repeated contact with the skin should be avoided. For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.