

SHELL CASSIDA[®] SILICONE FLUID

Multi-purpose Silicone Fluid in Aerosol Spray Can, for use on Food Manufacturing Machinery

Product Description

Shell Cassida[®] Silicone Fluid is a fully synthetic high performance multi-purpose fluid, which has been specially formulated for the food industry to lubricate conveyors, slow rotating machinery, small slow speed bearings and pivot points. It is based on a careful blend of synthetic components chosen for their ability to meet the stringent requirements of the food industry.

Shell Cassida Silicone Fluid is registered by NSF (Class H1) for use where there is potential for incidental food contact. This product meets the former guidelines (1998) of, and was previously authorized by, the US Department of Agriculture Food Safety and Inspection Service (USDA FSIS) for H1 use (lubricant with incidental food contact). This product contains only substances permitted under US 21 CFR 178.3570, 178.3620, and 182 for use in lubricants with incidental food contact.

Shell Cassida Silicone Fluid does not contain any natural products derived from animals, nuts or genetically modified organisms. They are suitable for use where vegetarian and nut-free food is prepared. It does not promote the growth of bacteria or fungal organisms.

Applications

- general maintenance lubricant
- conveyor lubricant
- slow rotating machinery and slow speed bearings
- pivot points

Features/Benefits

- thermal stability up to 250°C (482°F)
- excellent adhesive properties minimize fling off in use and wash-off by both cold and hot water
- leaves a “dry” lubricating film
- helps prevent rubber cracking and drying
- displaces water
- formulated for use on metal to non-metal or non-metal to non-metal contact surfaces

Seal and Paint Compatibility

Compatible with the elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

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Solubility

Shell Cassida Silicone Fluid is stable, does not emulsify with water, lower alcohols, glycols or glycerines. It is soluble in non-polar organic solvents such as ketones, ethers, esters and higher alcohols.

Specifications and Certificates

- NSF H1
- Kosher
- Halal

Incidental Food Contact

Registered by NSF (Class H1) [and meets the former USDA H1 guidelines (1998) for lubricants where there is a potential for incidental food contact. Made only from substances permitted under the US FDA Title 21 CFR 178.3570 for use in food grade lubricants. To comply with the FDA requirements for silicone oils, 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 1 part per million (1 mg/kg of foodstuff). In locations and/or applications where local legislation does not specify maximum concentration limits, this same 1 ppm limit should be observed, as up to this concentration **Shell Cassida Silicone Fluid** will not impart undesirable taste, odor, or color to food. Consistent with good manufacturing practice, use only the amount necessary to achieve correct lubrication and take appropriate corrective action should excessive incidental contact with food be detected.

Handling and Storage

All food grade lubricants, such as **Shell Cassida Silicone Fluid**, should be stored separately, out of direct sunlight or other heat sources, from other lubricants, chemical substances and foodstuffs. Store between 0 to 40C. Provided that the product has been stored under these conditions, the recommended shelf life of the product unopened is 5 years from date of manufacture. Record the date product was opened. Use the product within 2 years of opening or within 5 years of date of manufacture, whichever is sooner.

Typical Properties of Shell Cassida Silicone Fluid

	Test Method	
Product code Aerosol Cans		5065975
NSF Registration No.		123531
Color	(Visual)	Colorless
Density at 15°C (kg/l)	ISO 12185	0.976
Flash Point (°F), COC	ISO 2592	>570
Pour Point (°F), COC	ISO 3016	-54
Classification ADR		2.5F
UN-Number		1950

Produced according to Shell Quality Standards, in facilities where HACCP audit and Good Manufacturing Practice have been implemented and form part of the quality/environment management system ISO 9001/ISO 14001.

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.equivashellmsds.com>. 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/>.