



# SHELL CASSIDA<sup>®</sup> FLUID PL

## Penetrating Fluid for use on Food Manufacturing Equipment

---

### Product Description

Shell Cassida<sup>®</sup> Fluid PL is a special lubricant with excellent creeping and penetrating features. It is based on a careful blend of synthetic fluids and selected additives chosen for their ability to meet the stringent requirements of the food industry.

Due to its capillary effect, it penetrates quickly between rusty and encrusted surfaces of contact. **Shell Cassida Fluid PL** lubricates and protects against corrosion. Oil and grease residues are dislodged to facilitate cleaning. **Shell Cassida Fluid PL** is easy to apply with a brush, cloth or from aerosol spray cans. It is neutral in odor and taste.

**Shell Cassida Fluid PL** 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) and listed in Miscellaneous Publication No 1419 "List of Proprietary Substances and Nonfood Compounds". 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 Fluid PL** 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.

**Note:** For use on machine parts and surfaces, which will come into contact with food, the oil film must be cleaned off of these surfaces followed by thorough rinsing of the surfaces with potable water.

### Applications

- disassembling of screws, interlocking nuts and other components
- corrosion protection of metal components
- lubrication of various light duty applications

### Features/Benefits

- penetrates quickly
- protects against corrosion
- loosens oil and grease residues
- easy to apply
- neutral odor and taste

## Seal and Paint Compatibility

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

## 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, 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 (10 mg/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 Fluid PL** 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 Fluid PL**, 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. Accept for use new Shell Cassida 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. It is recommended that it be cleaned with **Shell Cassida Fluid PL** and/or potable water and then dried with a clean cloth. Record the date the seal was broken. To prevent product contamination, always close the package after use. Use the product within 2 years of opening or within 5 years of date of manufacture, whichever is sooner.

---

**Typical Properties of Shell Cassida Fluid PL**

	Test Method	
Product code Aerosol Cans		5065984
NSF Registration No.		119103
Color	(Visual)	Colorless
Viscosity @ 20°C cSt	ISO 3104	1.8
Density at 15°C (kg/l)	ISO 12185	0.772
Flash Point (°F), COC	ISO 2592	100
Pour Point (°F)	ISO 3016	<-80
Classification ADR		3, III 2.5F (spray)
UN-Number		3295 1950 (spray)

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/>.