

## CASSIDA GREASE LTS 1

Synthetic low temperature grease for food and beverage processing equipment

### Performance Features

- Excellent low temperature performance
- Good water resistance
- Good oxidation and mechanical stability
- Effective corrosion prevention characteristics
- Good adhesive properties
- Neutral odour and taste



Roller bearings



Low temperature



Partner Programme



NSF registered

### Certifications and Specifications

- NSF H1
- NSF ISO 21469
- Kosher
- Halal

### Description

CASSIDA GREASE LTS 1 is a high performance low temperature lubricant specially blended for the grease lubrication of machinery used in food and beverage processing and packaging industry. It is based on an aluminium complex thickener, synthetic fluids and selected additives chosen for their ability to meet the stringent requirements of the food industry. Certified by NSF for ISO 21469 and registered by NSF (Class H1) for use where there is potential for incidental food contact. Produced according to FLT Quality Standards, in facilities where HACCP audit

# Product Information



**LUBRITECH**  
Special Application Lubricants

and Good Manufacturing Practice have been implemented and form part of the quality and hygiene management systems ISO 9001 and ISO 21469.

## Applications

- Cold storage situations with temperatures down to -50 °C
- Plain and rolling element bearings
- Centralised automatic lubrication systems
- Joints, linkages and slides
- May also be used as protective anti-rust films and as release agents on gaskets and seals of tank closures

## Seal and Paint Compatibility

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

## Handling and Storage

All food grade lubricants should be stored separately from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0 °C and +40 °C. Provided that the product has been stored under these conditions we recommend that the product be used within 3 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 3 years of date of manufacture, whichever is the sooner).

## Technical Data: CASSIDA GREASE LTS 1

<u>Characteristics</u>	<u>Value</u>	<u>Unit</u>	<u>Test Method</u>
NSF Reg. No.	144714		
Colour	Pale yellow		
Structure	Smooth paste		
NLGI grade	1		DIN 51818
Type of thickener	Aluminium Complex		
Worked penetration [+25 °C]	310 - 340	1/10 mm	ISO 2137
Kin. Visc. (base oil) at +40 °C	20	mm <sup>2</sup> /s	ISO 3104
Kin. Visc. (base oil) at +100 °C (calculated)	4,8	mm <sup>2</sup> /s	ISO 3104
Kin. Visc. (base oil) at -30 °C (calculated)	960	mm <sup>2</sup> /s	ISO 3104
Apparent viscosity at -30 °C	1420	Pas	DIN 53018
Dropping point	>240	° C	ISO 2176
Operating temperatures	-50 to +100	° C	LLS 134
short-term peak	+110	° C	
Flow pressure at -25 °C/-35 °C	300 / 475	bar	DIN 51805
Classification DIN	K HC 1 E-50		DIN 51502
Classification ISO	L-XEBEA 1		ISO 6743-9

LLS = LUBRITECH Laboratory Specification  
Typical for current production. Variations in these characteristics may occur.

As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Please be aware that our products must not be used for applications in nuclear primary circuits or on-board aerospace systems. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users.  
FUCHS LUBRITECH provides service and individual advice. Please contact us!  
E-Mail: [flt.info@fuchs.com](mailto:flt.info@fuchs.com)