

## CASSIDA – Food Grade Lubricants General Product Information



# Cassida

# Food Grade Lubricants

## Introduction

In the food and beverage manufacturing industry, the use of food safe machine lubricants can mean the difference between a good name and no name at all.

The stringent food safety standards, high productivity and problem free operations are critical for commercial success. **FUCHS LUBRITECH** offers an industry specific product range and has the technical expertise to help achieve these aims. Your business can be benefiting from **FUCHS LUBRITECH's** high performance **CASSIDA** food grade lubricants that are meeting the highest food safety standards.

From hydraulics to gearboxes, bearings to compressors, high temperature to low temperature, synthetic **CASSIDA**

and semi-synthetic or white oil based **CASSIDA FM** lubricants have been designed to help satisfy both performance and current food grade regulation criteria. **CASSIDA** and **CASSIDA FM** food grade lubricants are supported by experienced specialists who provide recommendations and solutions for the unique lubrication requirements found within food and beverage manufacturing plants.

Our global network of technical engineers and chemists develops products using the latest **FUCHS LUBRITECH** lubricants technology available, helping your plant achieving reduced downtime, extended equipment life and suitability for HACCP and Quality Assurance Food Safety plans.

## Incidental Food Contact

**CASSIDA** and **CASSIDA FM** food grade lubricants are registered by NSF (Class H1) and meeting the USDA H1 guidelines (1998) for lubricants for use where there is a potential for incidental food contact.

**CASSIDA** and **CASSIDA FM** food grade lubricants are made only from substances permitted under the US FDA Title 21 CFR 178.3570, 178.3620 and/or those generally recognized as safe (GRAS, 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) respectively 1 part per million (1 mg/kg of foodstuff) for silicon based products.

In locations and / or applications where local legislation does not specify maximum concentration limits, it is recommended that this same 10 ppm (1 ppm) limit be observed, as up to this concentration **CASSIDA** and **CASSIDA FM** products will not impart undesirable taste, odour or colour to food, nor will cause adverse health effects.

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

- Accept for use new **CASSIDA** and **CASSIDA FM** food grade lubricants only if the manufacturer's seal is intact.
- Before opening the packs ensure the area around the closure (or spray nozzle) is clean. It is recommended that it be cleaned with potable water or **CASSIDA FLUID FL 5** and then dried with a clean cloth before opening.
- Record the date the seal was broken.
- To prevent product contamination, always close the package after use.
- Regarding shelf life please consult the respective product information sheet for detailed figures. An overview is provided on page 7 of this document.

## Product Safety and Stewardship

### CASSIDA and CASSIDA FM lubricants

- **Do not contain natural** products derived from animals or **genetically modified organisms** (GMO).
- Are Suitable for use where vegetarian and 'nut-free' food is prepared.
- Do not contain any **allergenic or intolerance- inducing substances** as specified in Annex IIIa of EC Directive 2003/89/EC and Annex II of Regulation (EU) 1169/2011. This includes Molluscs and Lupins and products thereof (Commission Directive 2006/142/EC) as well as products derived from Jatropha plants.
- Comply with the actual **REACH regulation** and do not contain any substances of very high concern (SVHC).
- Do not contain any **ionic detergents**; neither cationic nor anionic.
- Are **"Biostatic"**: Do not promote the growth of bacteria or fungal organisms.
- Comply with the **Note of Guidance on minimising the risk of transmitting spongiform encephalopathy agents** (TSE) via human and veterinary medicinal products (EMEA/410/01 Rev. 3, March 2011).
- Are filled in **new packs only**. To our best knowledge our packs do not contain any substances labelled as carcinogenic, mutagenic or teratogen.
- Are formulated in accordance with the **European Directive 2011/65 (RoHS) and 2002/96 (WEEE)**.
- Are certified against **ISO 21469** (Safety of Machinery – Lubricants with incidental product contact – Hygiene requirements) and actual Kosher and Halal requirements.

## Health and Safety

Based on information available, **CASSIDA** and **CASSIDA FM** products are unlikely to present any health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained. As for all oils and greases, prolonged or

repeated contact with the skin should be avoided. For further information refer to the appropriate product Material Safety Data Sheet. Such recommendations are often based on experience gained in the field by machinery and lubricant manufacturers.

## Product Condition during Use

It is recommended that the condition of the oil or grease and the equipment will be regularly checked to ensure safe operation.

## Protect the Environment

Take used lubricants and empty packs to an authorised collection point. Do not discharge into drains, soil or water.

# CASSIDA – Food Grade Lubricants General Product Information

Article Number	Product Name	Packaging	Stock Goods	Order Goods
600758226	CASSIDA CHAIN OIL 150	22 lit	On stock	
600819736	CASSIDA CHAIN OIL 1500	22 lit	On stock	
600860172	CASSIDA CHAIN OIL 1500 SPRAY	400 ml	On stock	
600860189	CASSIDA CHAIN OIL 320 SPRAY	400 ml	On stock	
600860196	CASSIDA CHAIN OIL 5000 SPRAY	400 ml		On order
600819798	CASSIDA CHAIN OIL HTE	22 lit		On order
600819835	CASSIDA CHAIN OIL HTX	22 lit		On order
600759322	CASSIDA CHAIN OIL LT	22 lit		On order
600860202	CASSIDA CHAIN OIL LT SPRAY	400 ml		On order
600819897	CASSIDA CHAIN OIL SP	22 lit		On order
600760137	CASSIDA COOLANT	22 lit		On order
600973889	CASSIDA FLUID CP	10 lit	On stock	
600973292	CASSIDA FLUID CP SPRAY	400 ml		On order
600819934	CASSIDA FLUID CR 32	22 lit		On order
600759346	CASSIDA FLUID CR 46	22 lit	On stock	
600759353	CASSIDA FLUID CR 46	205 lit	On stock	
600819996	CASSIDA FLUID CR 68	22 lit		On order
600759360	CASSIDA FLUID CR 100	22 lit	On stock	
600759377	CASSIDA FLUID CR 100	205 lit	On stock	
600820053	CASSIDA FLUID CR 150	22 lit		On order
600820169	CASSIDA FLUID DC 20	22 lit		On order
600759384	CASSIDA FLUID DC 32	22 lit	On stock	
601194566	CASSIDA FLUID DCE 15	22 lit		On order
601193354	CASSIDA FLUID DCE 15 SPRAY	400 ml		On order
600860233	CASSIDA FLUID FL 5 SPRAY	400 ml	On stock	
600821166	CASSIDA FLUID FL 5	22 lit		On order
600821272	CASSIDA FLUID FL 32	22 lit		On order
600821395	CASSIDA FLUID FL 68	22 lit		On order
600821449	CASSIDA FLUID FL 100	22 lit		On order
600759407	CASSIDA FLUID GL 150	22 lit	On stock	
600759414	CASSIDA FLUID GL 150	205 lit	On stock	
600759421	CASSIDA FLUID GL 220	22 lit	On stock	
600759438	CASSIDA FLUID GL 220	205 lit	On stock	
600759452	CASSIDA FLUID GL 320	22 lit	On stock	
600759469	CASSIDA FLUID GL 320	205 lit	On stock	
600759476	CASSIDA FLUID GL 460	22 lit	On stock	
600759483	CASSIDA FLUID GL 460	205 lit	On stock	
600759490	CASSIDA FLUID GL 680	22 lit	On stock	
600759506	CASSIDA FLUID GL 680	205 lit	On stock	
600759513	CASSIDA FLUID GLE 150	22 lit	On stock	
600759537	CASSIDA FLUID GLE 220	22 lit	On stock	
600759551	CASSIDA FLUID HF 15	22 lit	On stock	
600759575	CASSIDA FLUID HF 32	22 lit	On stock	
600759582	CASSIDA FLUID HF 32	205 lit	On stock	
600759599	CASSIDA FLUID HF 46	22 lit	On stock	

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Article Number	Product Name	Packaging	Stock Goods	Order Goods
600759605	CASSIDA FLUID HF 46	205 lit	On stock	
600759612	CASSIDA FLUID HF 68	22 lit	On stock	
600759636	CASSIDA FLUID HF 100	22 lit	On stock	
600759629	CASSIDA FLUID HF 68	205 lit	On stock	
600804312	CASSIDA FLUID HFS 46	22 lit		On order
600759667	CASSIDA FLUID HFS 68	22 lit		On order
600820114	CASSIDA FLUID RF 68	22 lit		On order
600820121	CASSIDA FLUID RF 68	205 lit	On stock	
600759711	CASSIDA FLUID WG 220	22 lit	On stock	
600759735	CASSIDA FLUID WG 320	22 lit		On order
600759759	CASSIDA FLUID WG 460	22 lit	On stock	
600759773	CASSIDA FLUID WG 680	22 lit		On order
600820527	CASSIDA FLUID WG 1000	22 lit		On order
600821517	CASSIDA FLUID VP 68	22 lit		On order
600759698	CASSIDA FLUID VP 100	22 lit	On stock	
600865122	CASSIDA FM FLUID DC 20	22 lit		On order
600865160	CASSIDA FM FLUID DC 68	22 lit		On order
601084867	CASSIDA FM FLUID RC 150	205 lit	On stock	
601098505	CASSIDA FM FLUSHING FLUID 32	22 lit		On order
600760151	CASSIDA FM GEAR OIL 220	22 lit		On order
600760175	CASSIDA FM GEAR OIL 460	22 lit		On order
600760182	CASSIDA FM GEAR OIL TLS 150	22 lit		On order
601084874	CASSIDA FM GREASE DC 2	470 gr SR*		On order
600896928	CASSIDA FM GREASE DC 2	19 kg		On order
600910518	CASSIDA FM GREASE DC SPRAY	400 ml		On order
600861520	CASSIDA FM GREASE HD 1.5	19 kg		On order
600861544	CASSIDA FM GREASE HD 1.5	50 kg		On order
600861551	CASSIDA FM GREASE HD 1.5	170 kg	On stock	
600823405	CASSIDA FM GREASE HD 2	500 gr SR*	On stock	
600760298	CASSIDA FM GREASE HD 2	19 kg		On order
600760311	CASSIDA FM GREASE HD 2	170 kg	On stock	
600760250	CASSIDA FM HEAT TRANSFER FLUID 32	22 lit		On order
600760267	CASSIDA FM HEAT TRANSFER FLUID 32	205 lit	On stock	
600863364	CASSIDA FM HYDRAULIC OIL 32	22 lit		On order
600863357	CASSIDA FM HYDRAULIC OIL 32	205 lit	On stock	
600760205	CASSIDA FM HYDRAULIC OIL 46	22 lit		On order
600760212	CASSIDA FM HYDRAULIC OIL 46	205 lit	On stock	
600760229	CASSIDA FM HYDRAULIC OIL 46	1000 lit		On order
600760236	CASSIDA FM HYDRAULIC OIL 68	22 lit		On order
600760243	CASSIDA FM HYDRAULIC OIL 68	205 lit		On order
600865085	CASSIDA FM HYDRAULIC OIL 100	22 lit		On order
600760328	CASSIDA FM SUGAR DISSOLVING FLUID	22 lit		On order
600973902	CASSIDA GREASE CLEAR 2	500 gr SR*		On order
600973926	CASSIDA GREASE CLEAR 2	19 kg		On order
600759797	CASSIDA GREASE EPS 00	19 kg	On stock	

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Article Number	Product Name	Packaging	Stock Goods	Order Goods
600859572	CASSIDA GREASE EPS 1	380 gr	On stock	
600821593	CASSIDA GREASE EPS 1	500 gr SR*		On order
600759827	CASSIDA GREASE EPS 1	19 kg	On stock	
600859589	CASSIDA GREASE EPS 2	380 gr	On stock	
600860257	CASSIDA GREASE EPS 2	500 gr SR*		On order
600759858	CASSIDA GREASE EPS 2	19 kg	On stock	
600759872	CASSIDA GREASE EPS 2	170 kg	On stock	
600821951	CASSIDA GREASE FC 1	800 gr SR*		On order
600821975	CASSIDA GREASE FC 1	1 kg		On order
600821999	CASSIDA GREASE FC 2	800 gr SR*		On order
600822002	CASSIDA GREASE FC 2	1 kg		On order
600860264	CASSIDA GREASE GTS 2	500 gr SR*		On order
600822040	CASSIDA GREASE GTS 2	19 kg	On stock	
600860226	CASSIDA GREASE GTS SPRAY	400 ml	On stock	
600917975	CASSIDA GREASE GTX 0	19 kg	On stock	
600860271	CASSIDA GREASE GTX 2	500 gr SR*		On order
600822255	CASSIDA GREASE GTX 2	19 kg		On order
600759889	CASSIDA GREASE HDS 00	19 kg	On stock	
600859732	CASSIDA GREASE HDS 2	380 gr	On stock	
600860288	CASSIDA GREASE HDS 2	500 gr SR*		On order
600759902	CASSIDA GREASE HDS 2	19 kg	On stock	
600859749	CASSIDA GREASE HTS 2	380 gr	On stock	
600860295	CASSIDA GREASE HTS 2	500 gr SR*		On order
600759964	CASSIDA GREASE HTS 2	19 kg		On order
600759971	CASSIDA GREASE LTS 1	380 gr		On order
600759988	CASSIDA GREASE LTS 1	19 kg		On order
600859756	CASSIDA GREASE MD 2	500 gr		On order
600859763	CASSIDA GREASE MD 2	19 kg		On order
600928285	CASSIDA GREASE P 1	19 kg		On order
600760007	CASSIDA GREASE RLS 0	19 kg	On stock	
600859770	CASSIDA GREASE RLS 0	50 kg	On stock	
600759995	CASSIDA GREASE RLS 00	19 kg	On stock	
600822590	CASSIDA GREASE RLS 000	19 kg		On order
600760021	CASSIDA GREASE RLS 1	380 gr		On order
600823245	CASSIDA GREASE RLS 1	500 gr SR*		On order
600760038	CASSIDA GREASE RLS 1	19 kg	On stock	
600760076	CASSIDA GREASE RLS 2	380 gr	On stock	
600860318	CASSIDA GREASE RLS 2	500 gr SR*		On order
600760083	CASSIDA GREASE RLS 2	19 kg	On stock	
600823283	CASSIDA PASTE AP	1 kg	On stock	
600859787	CASSIDA PASTE AP	19 kg		On order
600910617	CASSIDA PTFE DRY SPRAY	400 ml		On order
600821487	CASSIDA SILICONE FLUID	10 lit		On order
600860240	CASSIDA SILICONE FLUID SPRAY	400 ml	On stock	
800181718	CASSIDA GREASE GUN SR	–	On stock	

\* SR = System Reiner® – special adapted grease cartridge for our grease gun, see article 800181718 CASSIDA GREASE GUN SR.

# Official Product Shelf Life – Overview

Standard Shelf Life	Shelf Life in years from date of manufacture
CASSIDA and CASSIDA FM Fluids	5
CASSIDA and CASSIDA FM Greases	3
CASSIDA and CASSIDA FM Aerosols	3

Exceptions:	Shelf Life in years from date of manufacture
CASSIDA CHAIN OIL HTX	2
CASSIDA COOLANT	2

*For detailed information, please refer to the respective product information sheet.*

## Discolouration during Storage

During storage, **CASSIDA** and **CASSIDA FM** products (fluids) might sometimes slightly change colour from colourless to yellowish / yellow. This discolouration is a wellknown phenomenon of certain antioxidants and is

catalysed by exposure to light and/or heat while in storage and/or transport. This colour change does not alter performance of the products in any way.

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. 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.