

CASSIDA

food grade lubricants



LUBRICANTS.
TECHNOLOGY.
PEOPLE.



LUBRITECH
Special Application Lubricants

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LUBRICANTS. TECHNOLOGY. PEOPLE.

**FUCHS LUBRITECH –
Special Application Lubricants**

Within the FUCHS Group, we at FUCHS LUBRITECH are the experts for highly specialised applications. We develop, produce and distribute the world's leading branded products of our own. Our employees are committed to solving your challenges. We are there, with you and for you.

LUBRITECH

Special Application Lubricants

Facts and figures

Company: FUCHS LUBRITECH GmbH, part of the FUCHS Group, based in Kaiserslautern, Germany

LUBRITECH: The Special Application Lubricants Division of the FUCHS Group

Product range: LUBRITECH GROUP offers a full range of more than 1,000 special products, including food grade lubricants, adhesive lubricants, lubricating fluids and greases, pastes, solid film lubricants, concrete release agents, aerosols and metalforming lubricants

Certifications: ISO 9001: ISO 21469, Halal, Kosher

FUCHS has developed, produced, and sold lubricants and related specialties for more than 80 years – for virtually all applications and sectors. With over 100,000 customers and 50 companies worldwide, the FUCHS Group is the world's leading independent lubricant supplier.

Within the FUCHS Group, **FUCHS LUBRITECH** is the expert for Special Application Lubricants. A team of more than 500 specialists around the world work to meet your needs. However demanding the application, we offer a specialised solution. Service is a crucial and fundamental component of our offering. Our experts offer on-site technical consultation to assure performance, efficiency and process reliability.

FUCHS LUBRITECH special lubricants stand for the highest performance and sustainability, safety and reliability as well as efficiency and cost savings. They represent a promise: **technology that pays back.**



CASSIDA – FOOD GRADE LUBRICANTS

The CASSIDA product line of FUCHS LUBRITECH offers a comprehensive range of high-performance lubricants for the food and beverage industries, including fully synthetic as well as semi-synthetic and white-oil-based products. Each product's composition is always optimised to ensure maximum suitability for their respective application.

This product catalogue introduces our product portfolio and gives an overview of the wide range of CASSIDA products, including CASSIDA Fluids (fully synthetic), CASSIDA Greases (fully synthetic) and CASSIDA FM Lubricants (white-oil-based and semi-synthetic).

The food experts of the LUBRITECH team or your local sales partner will be happy to assist you in finding the best products for your application. You will receive individual, competent advice and recommendations for products that are best suited for fulfilling your particular requirements.

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ISO certified



Kosher certified



Halal certified



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Industries Served by CASSIDA Food Grade Lubricants



Beverage industry

The production of food, beverages and related products puts the strictest requirements on the lubricants used in the manufacturing process. Consumer protection is absolutely essential. Incidental oil contamination during the bottling and canning process must be avoided by beverage manufacturers, who blend, can and bottle millions of gallons of beverages for global markets every year.



Edible oil processing industry

In modern cuisine and with changing eating habits, edible oil, such as olive oil, sunflower oil and rapeseed oil, play an integral role in our diets. With CASSIDA food grade lubricants, FUCHS LUBRITECH offers a wide choice of lubricating fluids and greases for safe and efficient lubrication of the production processes.



Bakery and confectionery industry

With the high temperatures required by the bakery and confectionery industry, high heat resistance and stability of the lubricant is crucial. FUCHS LUBRITECH's research into extreme applications ensures that CASSIDA food grade lubricants perform at the highest level to allow for safe and reliable production and manufacturing processes.



Dairy industry

Customers from the dairy industry as well as the other food-related industries benefit from the excellent quality of the CASSIDA portfolio, which has been confirmed by numerous OEM approvals given by well-known manufacturers of production and manufacturing equipment. This assures that the highest demands of the industry are met.



Meat and poultry industry

Millions of pounds of meat and poultry are processed every year. Just as in all other food industries, the safety of the production process is crucial. CASSIDA food grade lubricants support this safety. In addition, ensuring that the production process runs smoothly and is highly effective (meaning longer component lifetimes and extended maintenance intervals) is our number one priority.



Animal feed industry

Only safe feed will allow safe food to be produced. CASSIDA food grade lubricants provide this safety to the producers of animal feed. The products comply with the vast variety of feed requirements for livestock and other animals – from dairy cows and poultry to pets and fish.

Serving the Highest Safety Standards of the Food and Beverage Industry

Lubricants for the production,

processing and packaging of food, beverages, medications and cosmetic products must fulfil stringent requirements. Consumer protection is crucial, which is why FUCHS LUBRITECH practises the highest safety standards in all aspects of development, production, sales and after-sales service.

FUCHS LUBRITECH customers benefit from the excellent quality of the CASSIDA product line, which has OEM approvals from well-known manufacturers of production and manufacturing equipment.

FUCHS LUBRITECH food grade lubricants are formulated with the most advanced rust and oxidation, anti-wear and extreme-pressure additives available, all of which provide the maximum level of protection for your expensive food processing equipment. From hydraulic systems and transmissions to bearings and compressors: close cooperation already during the development phase pays off for our customers.

Why is a food grade lubricant needed in Can Seaming?

Greases and oils are used to lubricate the components of the seamer itself and cams, bearings, seals, shafts, gears, chains, seamer roller bearings, closed gearboxes. As the cans are open before seaming, excess grease and/or oil above the cans or possible oil mist around the open cans could contaminate the food or beverage in the can. Secondly there is also the possibility of an oil or grease

contamination on the cans after it has been closed. In order to minimize the risk for the consumer a food grade lubricant should be used.

Safety, our number one priority

All lubricants for the production, processing and packaging of food, beverages, medications and cosmetic products must fulfil stringent requirements. Consumer protection is crucial, which is why food safety is very important in all aspects of development, production, sales and after-sales service. This is the reason why all of our food grade lubricants are registered by NSF International in accordance with the respective food-related categories.

Our manufacturing plant in Kaiserslautern as well as the food grade lubricants produced there are certified in accordance with the international standard ISO 21469. This standard determines the hygienic requirements for the composition, manufacturing and use of lubricants that may have incidental contact with food products – assuring that our products fulfil the highest possible safety standard.

Additionally, our CASSIDA products fulfil the strict requirements of both Jewish and Muslim laws and regulations. The respective Kosher and Halal certificates guarantee the highest possible level of product and food safety.

Our most important product: individual consulting and service

We set standards not only with our high-performance products, but also with our exceptional service! This includes providing advice on how to optimise the use of food grade lubricants taking into account stringent QA management procedures in order to avoid food contamination (in accordance with HACCP = Hazard Analysis and Critical Control Points), examination of used lubricants, development of lubrication and maintenance schedules, support in changing lubricants, active support for practical testing, careful documentation of all measures and much more.

Finding comprehensive, sustainable and safe solutions for all tribological issues arising from our customers' requirements and their applications is our declared goal. Customer seminars and training sessions held globally complete our service programme.

With its competent technical advice and widespread sales network, our global Food Division team supports you in your production and processing activities to ensure that you will always achieve optimal results.

NSF registered
ISO certified



Kosher certified



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Beverage Industry



Products Overview

Process Steps	Main Products	Common Machine Parts	Process Example
Preparation	CASSIDA GREASE EPS 2	Bearings	De-palletising
	CASSIDA FLUID HF 46 and 68	Hydraulics	
	CASSIDA FLUID VF 68 or 100	Vacuum pumps	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Chains	
Transportation	CASSIDA FLUID GL or WG Series	Gearboxes	Conveyors
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA CHAIN OIL Series	Chains	
1. Blow moulding	CASSIDA FLUID GL or WG Series	Gearboxes	Injection moulding Blow moulding
	CASSIDA FLUID HF5 Series	Hydraulics	
	CASSIDA FLUID CR Series	Air compressor	
	CASSIDA GREASE GTX 2, EPS 2 or GTS 2	Central lubrication system	
	CASSIDA FM HEAT TRANSFER FLUID 32	Heating mandrels	
2. Brewing (subprocess)	CASSIDA FLUID HF 100, GL or GLE 150	Pumps, mixers	Milling, brewhouse Fermentation: Silo, boiler, separator, cooler, filter and storage tanks
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA FLUID GL or WG Series	Separators	
	CASSIDA FLUID HF 46 and 68	Filter presses	
	CASSIDA CHAIN OIL Series	Chains	

Process Steps	Main Products	Common Machine Parts	Process Example
2. Soft drinks and other beverages (subprocess)	CASSIDA FLUID HF 100, GL or GLE 150	Gearboxes	Concentrate, sweetener, water treatment, syrup, blending, carbonation
	CASSIDA FLUID WG 220 to 460	Worm gears	
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA FLUID HF 46 and 68	Hydraulics	
	CASSIDA CHAIN OIL Series	Chains	
2. Filling, seaming, capping, pasteurising	CASSIDA FLUID GL or WG Series	Gearboxes	Bottle/can rinsing
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA CHAIN OIL Series	Chains	
	CASSIDA GREASE RLS 00 ,0 ,1 or EPS 0 ,1	Bearings	Can seaming
	CASSIDA FLUID GLE 220 ,150	Gearboxes/drive chains	
	CASSIDA FM GEAR OIL TLS 150		
	CASSIDA FLUID CR 100	Central lubrication system	Can seaming (Ferrum)
	CASSIDA GREASE GTX 2	Bearings	Can pasteurising
	CASSIDA CHAIN OIL Series	Chains	
	CASSIDA FLUID GL or WG Series	Gearboxes	
CASSIDA GREASE EPS Series	Bearings		
3. Filling, seaming, capping, pasteurising	CASSIDA FLUID GL 220 to 460	Gearboxes	Bottle filling, capping
	CASSIDA GREASE MD 2	Taps, joints, gaskets	
4., 5., 6. Labelling, packing, storage	CASSIDA GREASE EPS 2 or HTS 2 or GTS 2	Bearings	Labelling and packing, keg packing, cardboard packing
	CASSIDA GREASE RLS 000	Central lubrication system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Drive chains	
	CASSIDA FLUID HF 100 ,68 ,46 or GL 150	Hydraulics	
	CASSIDA FLUID VP 68 or 100	Vacuum pump	
	CASSIDA FLUID RF Series	Refrigeration compressors	Cold storage/refrigeration
General maintenance	Main Products		
	CASSIDA FLUID CP SPRAY / CASSIDA FLUID DC SPRAY / CASSIDA FLUID FL 5 SPRAY		
	CASSIDA GREASE GTS SPRAY / CASSIDA PASTE AP / CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY / CASSIDA FM FLUSHING FLUID 32 / HD GREASE GUN CASSIDA		

NSF approved ISO certified


 NSF International
 Food Equipment
 Program Listed
 NSF 174/2015

Kosher certified



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Halal certified



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Edible Oil Processing Industry



Products Overview

Process Steps	Main Products	Common Machine Parts	Process Example
1. Cleaning, grinding, sterilising, drying	CASSIDA FLUID GL or YG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA GREASE EPS 2 / GTS 2 / GTX 2 / CASSIDA FM GREASE HD 2	Bearings	
	CASSIDA FLUID CR Series	Compressors, blowers	
	CASSIDA FLUID HF / HFS Series	Hydraulics	
2. Pressing	CASSIDA FLUID GL or YG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA FLUID HF / HFS Series	Hydraulics	
2A, Solvent extraction	CASSIDA GREASE EPS 2 / GTS 2 / GTX 2	Bearings	
	CASSIDA FM HEAT TRANSFER FLUID 32	Heat transfer system	
	CASSIDA FLUID GL or YG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / GTS 2 / GTX 2 / HTS 2	Bearings	
	CASSIDA GREASE FC Series	Bearings exposed to solvent	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA FLUID DC Series	Solvent absorption	

Process Steps	Main Products	Common Machine Parts	Process Example
3. Refining: neutralising, degumming, bleaching, deodorising	CASSIDA FM HEAT TRANSFER FLUID 32	Heat transfer system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / HTS 2 / GTS 2 / GTX 2	Bearings	
	CASSIDA GREASE FC Series	Bearings exposed to chemicals	
	CASSIDA FLUID HF / HFS Series	Hydraulics	
4. Filling	CASSIDA FLUID GL or WG Series	Gearboxes	Filling area
	CASSIDA FLUID HF / HFS Series	Hydraulics	
	CASSIDA GREASE EPS / RLS Series	Bearings, filling machine	
	CASSIDA GREASE HTS 2 / GTS 2 / GTX 2 / MD 2	Bearings, filling machine	
	CASSIDA CHAIN OIL Series	Chains	
4. Labelling	CASSIDA GREASE EPS 2 / GTS 2	Bearings	Packaging, labelling, paperboard packing
	CASSIDA GREASE RLS 00 / GTS 2	Central lubrication system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Drive chains	
	CASSIDA FLUID HF / HFS Series or GL 150	Hydraulics	
5., 6. Packing, palletising, storage	CASSIDA FLUID VP 68 or 100	Vacuum pump	
	CASSIDA FLUID RF Series	Refrigeration compressors	
	CASSIDA GREASE EPS / RLS Series	Bearings	
	CASSIDA FLUID HF / HFS / GL Series	Hydraulics, gearboxes	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
General maintenance	CASSIDA FLUID FL 5 SPRAY		
	CASSIDA FLUID DC SPRAY		
	CASSIDA FLUID CP SPRAY		
	CASSIDA GREASE GTS SPRAY		
	CASSIDA PASTE AP		
	CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA FM FLUSHING FLUID 32 HD GREASE GUN CASSIDA		

NSF registered
GO certified

Kosher certified



Halal certified



Company Member



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Bakery Industry



Products Overview

Process Steps	Main Products	Common Machine Parts	Process Example
1. Delivery, receipt, storage	CASSIDA FLUID GL or WG Series	Gearboxes	Ingredients silo, sugar silo, flour silo, pumping, blowing
	CASSIDA GREASE EPS / RLS / GTS / GTX Series	Bearings	
	CASSIDA FLUID CR Series	Compressors	
	CASSIDA CHAIN OIL Series	Chains, conveyors	
2. Milling, kneading	CASSIDA FLUID GL or WG Series	Gearboxes	Milling and pumping
	CASSIDA GREASE EPS / RLS / GTX Series	Bearings	Kneading
	CASSIDA GREASE EPS 00 / RLS 1 / GTS 2	Central lubrication system	
	CASSIDA CHAIN OIL Series	Chains, conveyors	Transportation
3. Proofing	CASSIDA GREASE EPS / RLS / GTX Series	Bearings	Proofer oven
	CASSIDA CHAIN OIL Series, CASSIDA GREASE GTX 2	Chains	Transportation
4. Baking	CASSIDA FLUID GL or WG Series	Gearboxes	Serpentine oven
	CASSIDA GREASE FC 2 / HTS 2 / GTX 2	Bearings	Waver oven
	CASSIDA CHAIN OIL HTE / HTX	Chains	Rack oven, transportation

Process Steps	Main Products	Common Machine Parts	Process Example
5. Slicing, wrapping	CASSIDA RM GREASE DC Series CASSIDA FLUID DC Series CASSIDA RM FLUID DC Series	Direct contact areas	Slicer, blades, knives, cutters
	CASSIDA CHAIN OIL Series	Drive chains, conveyors	Transportation
	CASSIDA GREASE EPS / RLS / GTX and GTS Series	Bearings	Wrapping
	CASSIDA FLUID VP 68 or 100	Vacuum pump	
	CASSIDA GREASE RLS 00 / GTS 2	Central lubrication system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF / HFS 100 ,68 ,46 or GL 150	Hydraulics	
6. Labelling, packing, cold storage	CASSIDA GREASE RLS 00 / RLS 000 / GTS 2	Central lubrication system	Packaging, labelling
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF / HFS / GL Series	Hydraulics	Paperboard packing
	CASSIDA GREASE LTS / RLS and GTS Series	Bearings	
	CASSIDA FLUID RF Series	Refrigeration compressors	Refrigeration
General maintenance	CASSIDA CHAIN OIL LT	Chains, conveyors	Cool storage
	CASSIDA FLUID CP SPRAY		
	CASSIDA FLUID FL 5 SPRAY		
	CASSIDA GREASE GTS SPRAY		
	CASSIDA PASTE AP		
	CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA RM FLUSHING FLUID 32 CASSIDA RM GREASE DC SPRAY HD GREASE GUN CASSIDA		

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001, 210, 310, 410

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Dairy Industry



Products Overview

Process Steps	Main Products	Common Machine Parts	Process Example
1. Separation and standardisation (receipt, pretreatment, skimming)	CASSIDA FLUID GL or WG Series	Gearboxes	Dairy ingredients silo, sugar silo, decanting, separation, mixing and pumping
	CASSIDA CHAIN OI Series	Chains, conveyors	
	CASSIDA GREASE EPS or PLS Series	Bearings	
	CASSIDA FLUID CR Series	Compressors	
1A. Manufacture of by-products (cheese, butter, milk powder, yogurt, ice cream)	CASSIDA FLUID GL or WG Series	Gearboxes	Mixing and pumping
	CASSIDA CHAIN OI Series	Chains, conveyors	Pressing
	CASSIDA FLUID HF Series	Hydraulics	Sterilising, atomising, drying
	CASSIDA GREASE EPS or PLS Series	Bearings	Robotics
	CASSIDA FLUID CR Series	Compressors	Cutting
	CASSIDA FM GREASE DC / CASSIDA FLUID DC / CASSIDA FM FLUID DC Series	Blades, knives, cutters	Direct contact tools
2. Centrifugation and homogenisation	CASSIDA FLUID GL or WG Series	Gearboxes	Centrifugation
	CASSIDA FLUID HF or HFS Series	Bearings	Homogenisation
	CASSIDA FLUID CR Series		
	CASSIDA GREASE EPS or PLS Series		

Process Steps	Main Products	Common Machine Parts	Process Example
3. Pasteurisation, sterilisation	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / HTS 2 / GTS 2	Bearings	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA FM HEAT TRANSFER FLUID 32	Heating transfer system	
4. Filling	CASSIDA GREASE EPS / RLS Series	Bearings	Filling area
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA FLUID CR Series	Compressors	
4. Labelling, packing	CASSIDA GREASE EPS 2 / GTS 2	Bearings	Packaging, labelling
	CASSIDA GREASE RLS 00, GTS 2	Central lubrication system	Paperboard packing
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN Oil Series	Drive chains	
	CASSIDA FLUID HF 100 ,68 ,46 or GL 150	Hydraulics	
	CASSIDA FLUID VP 68 or 100	Vacuum pump	
5. Palletising, storage, cold and frozen	CASSIDA FLUID RF Series	Refrigeration compressors	Refrigeration
	CASSIDA FLUID HF / GL Series	Hydraulics, gearboxes	Cool storage
	CASSIDA GREASE LTS, RLS Series	Bearings	
	CASSIDA CHAIN OIL LT	Chairs, conveyors	
General maintenance	CASSIDA FLUID CP SPRAY		
	CASSIDA FLUID DC SPRAY		
	CASSIDA FLUID FL 5 SPRAY		
	CASSIDA GREASE GTS SPRAY		
	CASSIDA PASTE AP		
	CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA FM FLUSHING FLUID 32		
	HD GREASE GUN CASSIDA		

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Meat and Poultry Industry

Products Overview

Process Steps	Main Products	Common Machine Parts	Process Example
1. Slaughtering, gutting, butchering, washing	CASSIDA FLUID GL or WG Series	Gearboxes	Direct contact tools
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA GREASE HDS Series	Hooks	
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA FLUID CR Series	Compressors	
	CASSIDA FM GRAESE DC Series CASSIDA FLUID DC Series CASSIDA FM FLUID DC Series	Blades, knives, cutters	
2. Cutting portions, mincing	CASSIDA FLUID GL or WG Series	Gearboxes	Meat chopper, mincer
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA FLUID CR Series	Compressors	
	CASSIDA FM GRAESE DC Series CASSIDA FLUID DC Series CASSIDA FM FLUID DC Series	Blades, knives, cutters	
2A. Seasoning, mixing	CASSIDA FM GRAESE DC Series CASSIDA FLUID DC Series CASSIDA FM FLUID DC Series	Blades, knives, cutters	Direct contact tools
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2	Bearings	
	CASSIDA CHAIN OIL Series	Chains, conveyors	

Process Steps	Main Products	Common Machine Parts	Process Example
2B. Forming, cooking, battering, frying	CASSIDA FLUID GL or WG Series	Gearboxes	Mould release
	CASSIDA GREASE EPS 2 / HTS 2 / GTS 2 / GTX 2 / FC 2	Bearings	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA FM HEAT TRANSFER FLUID 32	Heating transfer system	
	CASSIDA FM GREASE DC Series CASSIDA FLUID DC Series CASSIDA FM FLUID DC Series	Direct contact areas	
3. Forming, filling, labelling, packing	CASSIDA FLUID GL or WG Series	Gearboxes	Forming area, mould release
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA GREASE EPS / RLS Series	Bearings	
	CASSIDA CHAIN OIL Series	Chains	
	CASSIDA FM GREASE DC Series CASSIDA FLUID DC Series CASSIDA FM FLUID DC Series	Direct contact areas	Filling area
	CASSIDA GREASE EPS / RLS Series	Bearings	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF Series	Hydraulics	Packaging, labelling, paperboard packing
	CASSIDA GREASE EPS 2 / GTS 2	Bearings	
	CASSIDA GREASE RLS 00 / GTS 2	Central lubrication system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL Series	Drive chains	
	CASSIDA FLUID HF Series	Hydraulics	Cool storage, refrigeration
CASSIDA FLUID VP 6B or 100	Vacuum pumps		
CASSIDA FLUID RF Series	Refrigeration compressors		
CASSIDA FLUID HF / GL Series	Hydraulics, gearboxes		
CASSIDA GREASE LTS 1 / RLS 00	Central lubrication system		
4. Storage, cold and frozen	CASSIDA CHAIN OIL LT	Chains, conveyors	General maintenance
	CASSIDA FLUID CP SPRAY		
	CASSIDA FLUID FL 5 SPRAY		
	CASSIDA GREASE GTS SPRAY		
	CASSIDA PASTE AP		
	CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA FM FLUSHING FLUID 32		
CASSIDA FM GREASE DC SPRAY			
	HD GREASE GUN CASSIDA		

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Kosher

Halal certified



Conformity Member



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Animal Feed Industry



Products Overview

Process Steps	Main Products	Common Machine Parts	Process Example
1. Delivery, receipt, storage	CASSIDA FLUID GL / WG Series	Gearboxes	Ingredients silo, pumping, transportation
	CASSIDA GREASE EPS / RLS / GTS / GTX Series CASSIDA FM GREASE EP 1.5	Bearings	
	CASSIDA FLUID CR Series	Compressors	
	CASSIDA CHAIN OIL Series	Chairs, conveyors	
2. Milling	CASSIDA FLUID GL / WG Series	Gearboxes	Milling
	CASSIDA GREASE GTX Series, FM GREASE HD Series	Bearings	Transportation
	CASSIDA GREASE EPS D0 / RLS 1 / GTS 2	Central lubrication system	
	CASSIDA CHAIN OIL Series	Chairs, conveyors	
3. Dosing, premixing	CASSIDA GREASE EPS or GTX / GTS Series CASSIDA FM GREASE EP 1.5	Bearings	Mixing
	CASSIDA CHAIN OIL Series	Chairs	Transportation

Process Steps	Main Products	Common Machine Parts	Process Example
4. Preconditioning, compacting	CASSIDA FLUID HF / HPS Series	Hydraulics	Compactor
	CASSIDA FLUID GL / WG Series	Gearboxes	Transportation
	CASSIDA GREASE GTX CASSIDA FM GREASE HD Series CASSIDA FM GREASE HD EP 1.5	Bearings	
	CASSIDA CHAIN OIL Series	Chains	
5. Pressing, extruding, cooling, spraying	CASSIDA FLUID HF / HPS Series	Hydraulics	
	CASSIDA GREASE GTX CASSIDA FM GREASE HD Series CASSIDA FM GREASE HD EP 1.5	Bearings	Pellet press or extruder
	CASSIDA GREASE EPS 00 / RLS 1 / GTS 2	Central lubrication system	Transportation
	CASSIDA FLUID GL or WG CASSIDA CHAIN OIL Series	Gearboxes Chains, conveyors	Forming area, mould release
6. Filling and storage	CASSIDA FLUID VP 68 or 100	vacuum pump	Wrapping
	CASSIDA FLUID HF / HPS / GL or WG Series	Hydraulics, gearboxes	Filling
	CASSIDA GREASE EPS 00 / RLS 1 / GTS 2	Bearings	
	CASSIDA FLUID CR Series CASSIDA CHAIN OIL Series	Compressors Chains, conveyors	Storage
General maintenance	CASSIDA FLUID EP SPRAY		
	CASSIDA FLUID DC SPRAY		
	CASSIDA FLUID FL 5 SPRAY		
	CASSIDA GREASE GTS SPRAY		
	CASSIDA PASTE AP		
	CASSIDA PTFE DRY SPRAY		
	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA FM FLUSHING FLUID 32 HD GREASE GUN CASSIDA		

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Can Seaming Processing



Products Overview

Product & Label	Type	ISO VG Grade	Pourpoint °C	Flashpoint °C	Application Temperature Range °C	Application
CASSIDA FLUID GLE 150	synthetic	150	-54	258	-45 to +140 (peak +150)	Lubrication of rotary can seaming machines, including both enclosed and total loss systems, and for circulating and bearing oil systems where contamination with water or food juices can occur.
CASSIDA FLUID GLE 220	synthetic	220	-48	270	-45 to +140 (peak +150)	Designed for use in Ferrum can seamers
CASSIDA FLUID CR 100	synthetic	100	-54	258	-30 to +100 (peak +120)	Suitable for can seamer gearboxes running in total loss mode and on food handling and processing equipment.
CASSIDA FM GEAR OIL TLS 150	white mineral oil	150	-12	260	0 to +110 (peak +120)	

* For Cassida products technical specifications, please contact us.

Product	Base Oil	Thickener	Base oil viscosity [mm ² /s]		NLGI grade	Temperature range	Colour Code
			@ 40C	@ 100C			
Regular Load							
CASSIDA GREASE RLS 1	Synthetic	AlC _x	150	18	1	40- to *120C (peak *140C)	
CASSIDA GREASE RLS 2	Synthetic	AlC _x	150	18	2	35- to *120C (peak *140C)	
Extreme Pressure							
CASSIDA GREASE EPS 1	Synthetic	AlC _x	220	25	1	40- to *120C (peak *140C)	
CASSIDA GREASE EPS 2	Synthetic	AlC _x	220	25	2	35- to *120C (peak *140C)	
CASSIDA GREASE GTX 2	Synthetic	CsC _x	460	44	2	35- to *180C (peak *220C)	
CASSIDA GREASE GTS 2	Synthetic	CsC _x	85	12.8	2	40- to *170C (peak *200C)	
CASSIDA FM GREASE EP 1.5	White Oil	mod. AlC _x	220	22	1.5	30- to *140C (peak *150C)	
Heavy Duty							
CASSIDA GREASE HDS 2	Synthetic	AlC _x	800	67	2	30- to *120C (peak *140C)	
CASSIDA FM GREASE HD 2	White Oil	mod. AlC _x	550	37.8	2	10- to *140C (peak *150C)	
High Temperature							
CASSIDA GREASE HTS 2	Synthetic	Inorganic	400	40	2	30- to *200C (peak *220C)	
CASSIDA GREASE FC 1	Synthetic	PTFE	510	47	1	25- to *260C (peak *280C)	
CASSIDA GREASE FC 2	Synthetic	PTFE	510	47	2	25- to *260C (peak *280C)	
Low Temperature							
CASSIDA GREASE LTS 1	Synthetic	AlC _x	20	4.8	1	50- to *100C (peak *110C)	
Direct Contact (3H)							
CASSIDA FM GREASE DC 2	White Oil	Inorganic	100	11	2	10- to *110C (peak *120C)	
Special Purpose							
CASSIDA GREASE MD 2	Synthetic	PTFE	650	250	2	40- to *200C (peak *250C)	
CASSIDA GREASE CLEAR 2	Synthetic	Inorganic	75	11.5	2	30- to *170C	

All CASSIDA Grease Cartridges are colour coded for ease of identification.

You want to know more about this grease gun? Here you can see how it works:





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