

## Solutions for the Dairy Industry



LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



**LUBRITECH**  
Special Application Lubricants

## FUCHS LUBRITECH – SPECIAL APPLICATION LUBRICANTS

The FUCHS Group 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, we are 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 specialized solution.

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

## CASSIDA food grade lubricants – Solutions for the Dairy Industry



### CASSIDA food grade lubricants

In the dairy industry, the use of food-safe machine lubricants can mean the difference between a good name and no name at all. 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 at any point in the process needs to be avoided by dairy manufacturers, who process millions of kilograms of food for global markets every year. 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.

Our customers 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.

Today, major dairy product manufacturers are taking the risk out of their processes by switching to CASSIDA food grade lubricants as the safe alternative for all lubrication points in their production plants.

### Our support package

As well as providing you with high-performance food grade lubricants, FUCHS LUBRITECH is able to offer expert technical advice and support. FUCHS LUBRITECH can assist with oil condition monitoring, failure analysis and diagnosis, Lubrication Critical Control Point (LCCP) surveys, and much more.

### Performance and safety

The CASSIDA range is NSF H1 registered, as well as being the first food grade lubricant range to receive ISO 21469 certification. Certified for Halal and Kosher production, the CASSIDA range provides a total solution for the dairy industry.

NSF registered  
ISO certified



Nonfood Compounds  
Program Listed

ISO 21469 certified

Kosher certified

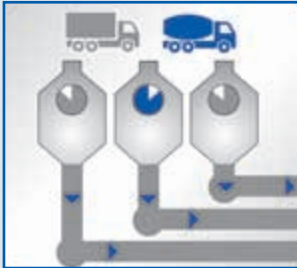


Halal certified



## Basic Process Chart

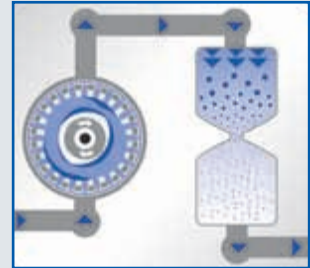
### 1. Separation and standardization (receipt, pretreatment, skimming)



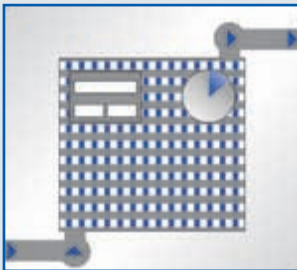
### 1A. Manufacture of by-products (cheese, butter, milk powder, yogurt, ice cream)



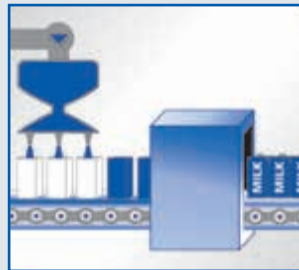
### 2. Centrifugation and homogenization



### 3. Pasteurization, sterilization



### 4. Filling, labeling, packing



### 5. Palletizing, storage, cold and frozen



# Overview of CASSIDA Products

Process Steps	Main Products	Common Machine Parts	Process Example
<b>1. Separation and standardization (receipt, pretreatment, skimming)</b>	CASSIDA FLUID GL or WG Series	Gearboxes	Dairy ingredients silo, sugar silo, decanting, separation, mixing and pumping
	CASSIDA CHAIN OIL Series	Chains, conveyors	
	CASSIDA GREASE EPS or RLS Series	Bearings	
	CASSIDA FLUID CR Series	Compressors	
<b>1A. Manufacture of by-products (cheese, butter, milk powder, yogurt, ice cream)</b>	CASSIDA FLUID GL or WG Series	Gearboxes	Mixing and pumping
	CASSIDA CHAIN OIL Series	Chains, Conveyors	Pressing
	CASSIDA FLUID HF Series	Hydraulics	Sterilizing, atomizing, drying
	CASSIDA GREASE EPS or RLS Series	Bearings	Robotics
	CASSIDA FLUID CR Series	Compressors	Cutting
	FM GREASE DC / CASSIDA or FM FLUID DC Series	Blades, Knives, Cutters	Direct contact tools
<b>2. Centrifugation and homogenization</b>	CASSIDA FLUID GL or WG Series	Gearboxes	Centrifugation
	CASSIDA FLUID HF or HFS Series	Bearings	Homogenisation
	CASSIDA FLUID CR Series		
	CASSIDA GREASE EPS or RLS Series		
<b>3. Pasteurization, sterilization</b>	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / HTS 2 / GTS 2	Bearings	
	CASSIDA FLUID HF Series	Hydraulics	
	FM HEAT TRANSFER FLUID 32	Heating Transfer System	
<b>4. Filling</b>	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	
<b>4. Labeling, packing</b>	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 46, 68, 100 or GL 150	Hydraulics	
	CASSIDA FLUID VP 68 or 100	Vacuum Pump	
<b>5. Palletizing, storage, cold and frozen</b>	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	Chains, Conveyors	
<b>General maintenance</b>	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		
	FM FLUSHING FLUID 32		
TWO-HANDED CASSIDA GREASE GUN			

## Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS engineers will be glad to advise on products for the application in question and also on our full range of lubricants.



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