

FUCHS Special Applications

CASSIDA

**Solutions for the
Dairy Industry**



MOVING YOUR WORLD



FUCHS LUBRICANTS CO. – SPECIAL APPLICATION LUBRICANTS

Since 1931, we have been pursuing the same goal: to keep the world moving. With innovative and technological lubricant solutions that have a sustainable impact on the future. Unconditional reliability is our top priority, it is the foundation of our company and the basis for everything that defines us.

Reliability is both a driver and a demand. And it's a promise to all our customers in the fields of automotive suppliers and OEMs, mechanical engineering, metal processing, mining and exploration, aerospace, energy, construction and transport, agriculture and forestry, as well as the paper, steel, metal, cement, forging and food industries, but also qualified lubricant dealers, car dealerships and workshops.

Long-term experience, high development strength and the fulfillment of far-reaching standards are the basis for the special quality of our world-leading product brands. We deliver solutions that are simply more efficient and therefore more sustainable. We always think in holistic solutions. For the development of individual solutions, we enter into an intensive customer dialog with you. This is the way we live up to our claim of moving your world.

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 pounds 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 is able to offer expert technical advice and support. FUCHS 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 H1 registered
ISO certified



Nonfood Compounds
Program Listed
ISO 21469 certified

Kosher certified

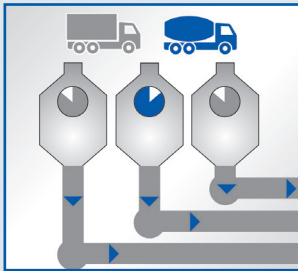


Halal certified



Basic Process Chart

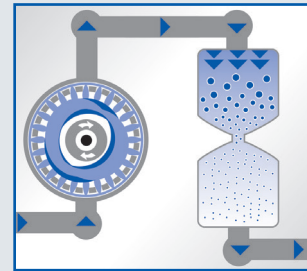
1. Separation and standardization
(receipt, pretreatment, skimming)



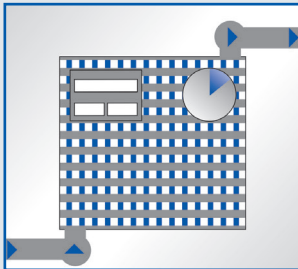
1A. Manufacture of by-products
(cheese, butter, milk powder, yogurt, ice cream)



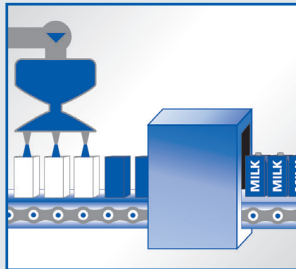
2. Centrifugation and homogenization



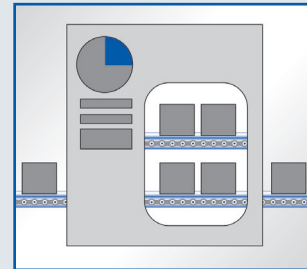
3. Pasteurization, sterilization



4. Filling, labelling, packing



5. Palletizing, storage, cold and frozen



Overview of CASSIDA Products

Process Steps	Main Products	Common Machine Parts	Process Example
1. Separation and standardization (receipt, pretreatment, skimming)	CASSIDA FLUID GL or WG Series	Gearboxes	Dairy ingredients silo, sugar silo, decanting, separation, mixing and pumping
	CASSIDA CHAIN OIL 150 / CASSIDA FM CHAIN OIL 100	Chains, conveyors	
	CASSIDA GREASE EPS / CASSIDA FM GREASE CSC EP	Bearings	
	CASSIDA FLUID CRE 46	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 OIL 150 / CASSIDA FM CHAIN OIL 100	Chains, conveyors	Pressing
	CASSIDA FLUID HF Series	Hydraulics	Sterilising, atomising, drying
	CASSIDA GREASE EPS or RLS Series	Bearings	Robotics
	CASSIDA FLUID CRE 46	Compressors	
	FM GREASE DC	Blades, knives, cutters	Direct contact tools
2. Centrifugation and homogenization	CASSIDA FLUID GL or WG Series	Gearboxes	Centrifugation
	CASSIDA FLUID HF	Bearings	Homogenization
	CASSIDA FLUID CRE 46	Compressors	
	CASSIDA GREASE EPS / CASSIDA FM GREASE CSC EP 2		
3. Pasteurization, sterilization	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA GREASE EPS 2 / HTS 2 / GTM 2	Bearings	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA FM HEAT TRANSFER FLUID 32	Heating transfer system	
4. Filling	CASSIDA GREASE EPS / RLS Series	Bearings	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA FLUID HF Series	Hydraulics	
	CASSIDA FLUID CRE 46	Compressors	
4. Labelling, packing	CASSIDA GREASE EPS / CASSIDA FM GREASE CSC EP	Bearings	
	CASSIDA GREASE RLS Series	Central lubrication system	
	CASSIDA FLUID GL or WG Series	Gearboxes	
	CASSIDA CHAIN OIL 150 / CASSIDA FM CHAIN OIL 100	Drive chains	
	CASSIDA FLUID HF 46, 68, 100 or GL 150	Hydraulics	
5. Palletizing, storage, cold and frozen	CASSIDA FLUID RF Series	Refrigeration compressors	
	CASSIDA FLUID HF / GL Series	Hydraulics, gearboxes	
	CASSIDA GREASE LTS, RLS Series	Bearings	
	CASSIDA CHAIN OIL LT	Chains, conveyors	
General maintenance	CASSIDA SILICONE FLUID SPRAY		
	CASSIDA FM KRYSTALL		
	CASSIDA FM AIRLUBE AA		

Innovative lubricants need experienced applications 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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