



SKF Food Grade Lubricants

The solution to food and beverage industry demands
Portfolio of NSF H1 registered, Kosher and Halal certified products



The Power of Knowledge Engineering

SKF Food Grade Lubricants

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Health concerns are rising concerning the usage of inappropriate lubricants in the manufacturing of various food-type products. It is very important to use food grade lubricants in food production facilities to avoid potential product pollution and unnecessary costs related to it.

Our food grade lubricants are NSF H1¹ registered and Kosher² and Halal³ certified. Additionally, they rely on the ISO 21469 standard which helps ensure that they are produced and delivered according to the highest hygienic requirements. Selecting the right food grade lubricant for the application can bring multiple benefits:

- Improved safety
- Reduced maintenance costs
- Improved processing efficiency

The food and beverage industry is a challenging market where production efficiencies need to improve while maintaining safety and cleanliness. The new SKF Food Grade Lubricants product range can help our customers reach their targets.

¹ NSF: U.S. National Sanitation Foundation

H1: Incidental contact with food

² Kosher: Food prepared in accordance with Jewish dietary laws

³ Halal: Food prepared in accordance with Islamic dietary laws



Greases

LGFP 2

General purpose grease

SKF LGFP 2 is a clean, non-toxic bearing grease, which is based on medical white oil using an aluminium complex soap.

- High resistance to water
- Excellent grease life
- Excellent corrosion resistance
- An essentially neutral pH value

Applications

- Multi-pack cassette bearings
- Wrapping machines
- Conveyor bearings
- Bottling machines



Ordering details

Pack sizes	LGFP 2	Pack sizes	LGFP 2
420 ml cartridge	LGFP 2/0.4	SKF SYSTEM 24 / LAGD 125 ml	LAGD 125/FP2
1 kg can	LGFP 2/1	SKF SYSTEM 24 / TLSD 125 ml	TLSD 125/FP2
18 kg can	LGFP 2/18	SKF SYSTEM 24 / TLSD 250 ml	TLSD 250/FP2
180 kg can	LGFP 2/180	TLMR 120 ml	LGFP 2/MR120
SKF SYSTEM 24 / LAGD 60 ml	LAGD 60/FP2	TLMR 380 ml	LGFP 2/MR380

Technical data

Designation	LGFP 2/(pack size)		
NLGI consistency class	2	Corrosion protection	
DIN 51825 code	K2G-20	Emcor: – standard ISO 11007	0–0
Appearance	Transparent	Water resistance	
Soap type	Aluminium complex	DIN 51 807/1, 3 hrs at 90 °C	1 max.
Base oil type	Medical white oil	Oil separation	
Operating temperature range	–20 to +110 °C (–5 to +230 °F)	DIN 51 817, 7 days at 40 °C, static, %	1–5
Dropping point DIN ISO 2176	>250 °C (>480 °F)	Rolling bearing grease life	
Base oil viscosity		ROF test	
40 °C, mm ² /s	130	L ₅₀ life at 10 000 r/min., hrs	1 000 at 110 °C (230 °F)
100 °C, mm ² /s	7,3	EP performance	
Penetration DIN ISO 2137		4–ball test,	
60 strokes, 10 ^{–1} mm	265–295	welding load DIN 51350/4, N	1 100 min.
100 000 strokes, 10 ^{–1} mm	+30 max.	Shelf life	2 years
		NSF Reg. No.	128004

LGFS 00

General purpose grease, clean

SKF LGFS 00 is a premium synthetic base oil and Aluminium complex thickened grease suitable for applications where vegetarian and nut-free food is produced.

- LGFS 00 does not contain any natural products derived from animals, GMO's and nuts
- It does not promote the growth of bacteria and fungal organisms

Applications

Enclosed industrial gearboxes and automatic, centralized lubrication systems such as those used for:

- Packaging
- Cutting/forming knives
- Conveyers



Ordering details

Pack sizes

19 kg can

LGFS 00

LGFS 00/19

Technical data

Designation	LGFS 00/(pack size)
NLGI number, DIN 51818	00
Classification, DIN 51502	GP HC 00 G-40
Classification, ISO 6743-9	L-XEBEB 00
Appearance	White semi-fluid
Type of thickener	Aluminium complex
Base oil type	Synthetic (PAO)
Operating temperatures range	-45 to +100 °C (-49 to +212 °F) peak up to 120 °C (248 °F)

Dropping Point ISO 2176	>200 °C (>392 °F)
Penetration ISO 2137 25 °C, 10 ⁻¹ mm	400-430
Base oil viscosity ISO 3104 40 °C, mm ² /s	220
100 °C, mm ² /s	25
Shelf life	2 years
NSF Reg. No.	149602

LGFD 2

High load grease

SKF LGFD 2 is a premium synthetic base oil and Aluminium complex thickened grease suitable for applications experiencing high loads.

- Excellent oxidation and mechanical stability
- Excellent water and corrosion resistance
- Excellent adhesive properties

Applications

Lubrication of bearings, joints, linkages and slides in F&B industry, for the machines used in:

- Packaging
- Bottling
- Wrapping
- Conveyers



Ordering details

Pack sizes	LGFD 2
400 ml cartridge	LGFD 2/0.4
19 kg can	LGFD 2/19

Technical data

Designation LGFD 2/(pack size)

NLGI number, DIN 51818	2
Classification, DIN 51502	KP HC 2 K-30
Classification, ISO 6743-9	L-XCCEB 2
Appearance	White smooth paste
Type of thickener	Aluminium complex
Base oil type	Synthetic (PAO)
Operating temperatures range	-35 to +120 °C (-31 to +248 °F) peak up to 140 °C (284 °F)

Dropping Point ISO 2176	>240 °C (>464 °F)
Penetration ISO 2137 25 °C, 10 ⁻¹ mm	265-295
Base oil viscosity ISO 3104 40 °C, mm ² /s	220
100 °C, mm ² /s	25
Shelf life	2 years
NSF Reg. No.	149601

LGFC 1

Low temperature grease

SKF LGFC 1 is a premium synthetic base oil and Aluminium complex thickened grease suitable for applications experiencing low temperatures.

- Excellent low temperature performance
- Excellent water and corrosion resistance
- Excellent adhesive properties

Applications

Lubrication of bearings, joints, linkages and slides in F&B industry, for machines used in:

- Freezers
- Cooling processes



Ordering details

Pack sizes	LGFC 1
400 ml cartridge	LGFC 1/0.4
19 kg can	LGFC 1/19

Technical data

Designation LGFC 1/(pack size)

NLGI number, DIN 51818	1
Classification, DIN 51502	K HC 1 E-50
Classification, ISO 6743-9	L-XEBEA 1
Appearance	Pale yellow, smooth paste
Type of thickener	Aluminium complex
Base oil type	Synthetic (PAO)
Operating temperatures range	-50 to +100 °C (-58 to +212 °F) peak up to 110 °C (230 °F)
Dropping Point ISO 2176	>200 °C (>392 °F)

Penetration ISO 2137 25 °C, 10 ⁻¹ mm	310-340
Base oil viscosity ISO 3104 -30 °C, mm ² /s	960
+40 °C, mm ² /s	20
+100 °C, mm ² /s (calculated)	4.8
Flow pressure -25 °C, mbar	300
-35 °C, mbar	475
Shelf life	2 years
NSF Reg. No.	149603

LGFT 2

High temperature grease

SKF LGFT 2 is a premium synthetic base oil and inorganically thickened¹ grease suitable for applications experiencing high temperatures.

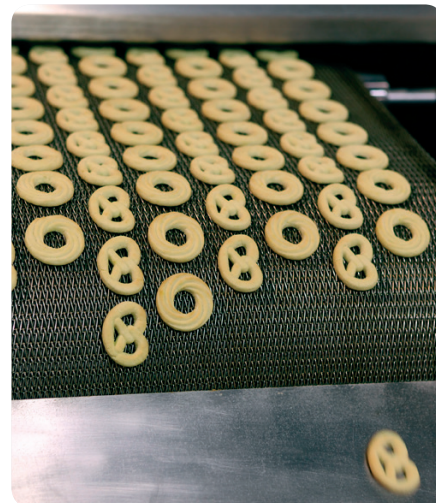
- Excellent high temperature performance
- Excellent water and corrosion resistance
- Excellent adhesive properties

Applications

Lubrication of bearings, joints, linkages and slides in F&B industry, for the machines used in:

- Ovens
- Other bakery equipment

¹ LGFT 2 is based on an inorganic thickener and therefore incompatible with most greases based on other type of thickeners.



Ordering details

Pack sizes	LGFT 2
400 ml cartridge	LGFT 2/0.4
19 kg can	LGFT 2/19

Technical data

Designation	LGFT 2/(pack size)
NLGI number, DIN 51818	2
Classification, DIN 51502	KP HC 2 S-30
Classification, ISO 6743-9	L-XCGEA 2
Appearance	Beige, smooth paste
Type of thickener	Inorganic
Base oil type	Synthetic (PAO)
Operating temperatures range	-30 to +200 °C (-22 to +392 °F) peak up to 220 °C (428 °F)

Dropping Point ISO 2176	None
Penetration ISO 2137 25 °C, 10 ⁻¹ mm	265-295
Base oil viscosity ISO 3104 40 °C, mm ² /s	400
100 °C, mm ² /s	40
200 °C, mm ² /s (calculated)	6
Shelf life	2 years
NSF Reg. No.	149604

Oils

LFFH 46

Hydraulic oil

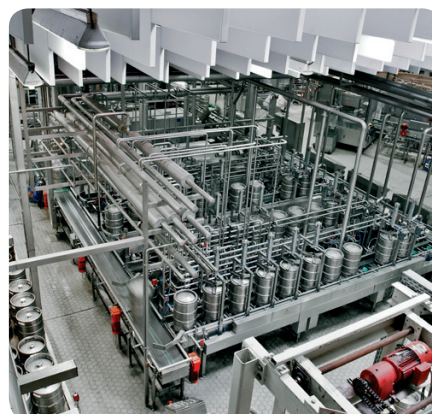
LFFH 68

SKF LFFH 46 and LFFH 68 are synthetic hydraulic fluids suitable for lubrication of machinery used in the food industry.

- Excellent anti-wear performance
- Excellent water separation properties
- Excellent protection against corrosion

Applications

- Hydraulic systems
- Hydrostatic gears
- Circulating oil systems



Ordering details

Pack sizes	LFFH 46	LFFH 68
22 l can	LFFH 46/22	LFFH 68/22
205 l can	LFFH 46/205	LFFH 68/205

Technical data

Designation	LFFH 46/(pack size)	LFFH 68/(pack size)
Appearance	Yellowish	Yellowish
Base oil type	Synthetic	Synthetic
Base oil viscosity ISO 3104		
40 °C, mm ² /s	46	68
100 °C, mm ² /s	7.9	10.9
Density ISO 12185		
15 °C, kg/m ³	836	843
Flash point DIN/EN/ISO 2592 COC	248 °C	258 °C
Pourpoint ISO 3016	<-60 °C	<-60 °C
FZG-Test A/8.3/90 Failure Load Stage DIN 51354-2	12	>12
Viscosity Index DIN ISO 2909	142	143
Shelf life	2 years	2 years
NSF Reg. No.	149599	149600

LFFG 220

Gear oil

LFFG 320

SKF LFFG 220 and LFFG 320 are synthetic gear oils suitable for lubrication of machinery used in the food industry.

- Excellent EP properties
- High viscosity index resulting in minimum variation of viscosity with change of temperature
- Excellent protection against corrosion

Applications

- Enclosed gear boxes
- Packaging
- Conveyers



Ordering details

Pack sizes	LFFG 220	LFFG 320
22 l can	LFFG 220/22	LFFG 320/22
205 l can	LFFG 220/205	LFFG 320/205

Technical data

Designation	LFFG 220/(pack size)	LFFG 320/(pack size)
Appearance	Pale yellow	Pale yellow
Base oil type	Synthetic	Synthetic
Base oil viscosity ISO 3104		
40 °C, mm ² /s	220	320
100 °C, mm ² /s	25	33.4
Density ISO 12185		
15 °C, kg/m ³	847	852
Flash point DIN/EN/ISO 2592 COC	276 °C	278 °C
Pourpoint ISO 3016	-48 °C	-45 °C
FZG-Test A/8.3/90 Failure Load Stage DIN 51354-2	>12	>12
Viscosity Index DIN ISO 2909	143	147
Shelf life	2 years	2 years
NSF Reg. No.	149597	149598

LFFM 80

Chain oil

LHFP 150

LFFT 220

Our food grade chain oil range is specifically developed for food and beverage applications where high temperature, high humidity and low temperatures are critical factors to consider in the selection of the correct oil.

LFFM 80 - High moisture chain oil LFFM 80 exhibits particularly good performance in high moisture environments such as in proofers and pasta driers as well as in applications where condensation might occur. This low viscosity semi-synthetic base oil prevents residue build-up on the chains and offers good wear and corrosion protection.

LHFP 150 - General purpose chain oil LHFP 150 excels in low to elevated temperature applications such as in confectionery industries and fruit and vegetable processing. The formulation is based on a synthetic oil and the product provides good corrosion and wear protection together with good aging and oxidation stability.

LFFT 220 - High temperature performance chain oil LFFT 220 is mainly for use in bakery ovens or other equipment subjected to high temperatures. It provides good wear protection and low evaporation losses at elevated temperatures along with excellent oxidation resistance due to its formulation and synthetic base.



Ordering details

Pack sizes	LFFM 80	LHFP 150	LFFT 220
5 l can	LFFM 80/5	LHFP 150/5	LFFT 220/5
SKF SYSTEM 24 / LAGD 125 ml	LAGD 125/FFM80	LAGD 125/HFP15	LAGD 125/FFT22

Technical data

Designation	LFFM 80	LHFP 150	LFFT 220
Appearance	White	Colourless	Yellow
Base oil type	Semi synthetic (mineral/ester)	Synthetic ester	Synthetic ester
Specific gravity	0.89	0.85	0.95
Operating temperature range	-30 to +120 °C (-22 to +248 °F)	-30 to +120 °C (-22 to +248 °F)	0 to 250 °C (32 to 482 °F)
Base oil viscosity: 40 °C (104 °F), mm²/s 100 °C (212 °F), mm²/s	approx. 80 approx. 10	ISO VG 150 approx. 19	ISO VG 220 approx. 17
Flash point	>200 °C (>392 °F)	>200 °C (>392 °F)	>250 °C (>482 °F)
NSF Reg. No.	146767	136858	146768

Special lubricant

LDS 1

SKF Dry Film Lubricant

SKF Dry Film Lubricant LDS 1 has been specially developed for automatic lubrication of plastic flat top chain conveyors in the beverage processing industry. It adheres very well to all treated surfaces and has outstanding properties. The lubricant consists of synthetic oil and is doped with PTFE solid lubricant.

- Cost savings by eliminating high volume of water and soluble lubricant.
- Improved operator safety by reducing slip hazards.
- Quality of packaging is maintained by elimination of moisture.
- Reduced risk of product contamination by minimising microbiological growth.
- Enhanced line efficiency by avoiding replacement costs and associated unplanned production stops.
- Reduced cleaning costs.

Applications

- Conveyors in bottling lines using PET, carton, glass or can packages.



Ordering details

Pack sizes	LDS 1
5 l can	LDS 1/5

Technical data

Designation	LDS 1	
Composition	Mineral oils, hydrocarbons, additives, PTFE	Flash point of the preparation ca. 100 °C (210 °F)
Appearance	White	Flash point after evaporation of the solvent >170 °C (340 °F)
Operating temperature range	-5 to +60 °C (25 to 140 °F)	NSF Reg. No. 139739
Viscosity at 40 °C (104 °F)	ca. 11 mm ² /s	
Pour point	<0 °C	
Density 20 °C (70 °F)	ca. 843 kg/m ³	

SKF Single-point automatic lubricators

Improve cleanliness, accuracy, safety and reliability

Performing manual relubrication tasks can be a major challenge for lubrication technicians if the appropriate tools, practices and knowledge are not employed. Reliability can also be affected by under- or over-greasing and contamination. Automatic lubrication provides small quantities of clean lubricant on a regular basis, thus improving bearing performance. Additional benefits include increased safety and time savings for lubrication technicians.



LAGD



TLSD



TLMR

Reservoir 7,5 liter



SKF ChainLube

Airless oil projection system for conveyor roller chain lubrication in food processing

The SKF ChainLube airless oil projection system CLK, is a food-safe, reliable, easy-to-use solution for accurate, automatic roller chain lubrication. The system includes a central unit that precisely delivers a metered volume of lubricant to the points of friction of each chain link whilst the chain is in operation. A control unit is preset to the preferred timing for lubricant application. Airless projection nozzles have no mechanical contact with the chains thus minimizing applicator wear and dirt accumulation. The main components are resistant to corrosion and suitable for a wide range of temperatures. All of these features make this solution suitable for the particular requirements of the Food and Beverage industry.

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