



No.	Lubrication point (Machine-Component/-Part)		Name of lubricant	Characteristics	Advantages in application
1	Chains		PREMIUM HT OIL 220 FD	Fully synthetic high temperature chain oil. Chain lubrication of transport-, drive- and cam shaft chains up to +260°C in the food and pharmaceutical industry. Colour: yellow, Base: synthetic oil Viscosity at 40°C: 220 mm2/s, Temperature range: - 20°C - + 260°C	 Extremely low evaporation loss Excellent wear protection Outstanding creeping and penetrating properties Extremely low coefficient of friction Very good anti-corrosion properties High hydrolytic stability
			PREMIUM KL 100 FLUID	Fully synthetic high-temperature chain oil. Chain lubrication up to + 250°C for drying and shrinking ovens, painting and coating lines and conveyors. Colour: yellow, Base: synthetic oil, Viscosity at 40°C: 100 mm2/s, Temperature range: - 40°C - + 250°C	 NSF H2 conform Excellent wear properties Excellent corrosion protection Outstanding creeping and penetrating properties Adhesive additives prevent dripping and spinning-off
2	Gears		SYNTEC 220 FD SYNTEC 320 FD SYNTEC 460 FD	Fully synthetic high-performance gear oils for a wide temperature range: - 30°C - + 130°C, Colour: transparent, Base: synthetic oil, Viscosities at + 40°C: 220, 320, 460 mm2/s (other viscosity grades aviable on request) Especially designed for the use in bevel, spur and worm gears in the food and pharmaceutical industry.	 NSF H1 conform Thermally stable up to + 130°C Outstanding wear protection Neutral to sealings and paints Re-smoothens damaged surfaces Lowers the coefficient of friction and power losses and reduces the oil sump temperature Meets the requirements of the specifications DIN 51517-3 and ISO 12925-1 FZG-test > 12





				PREMIUM GEAR 220 FD	Semi-synthetic gear oil for use in common temperatures: - 10°C - + 90°C.	0	Thermally stable up to + 90°C
2	2 Gears	Gears			${\sf NSF\ Registration\text{-}No.:\ H1\ applied,\ Colour:\ transparent,\ Base:\ med.\ white\ oil\ /\ SHC}$	0	Outstanding wear protection
			10000		Viscosity at + 40°C: 220 mm2/s (other viscosity grades aviable on request)	0	Neutral to sealings and paints
					Especially designed for the use in bevel, spur and worm gears in the food and	0	Excellent air and water separation behaviour
					pharmaceutical industry.	0	Meets the requirements of the specifications
							DIN 51517-3 and ISO 12925-1 FZG-test > 12
				DURATA HT 56-00 FD	High-temperature grease for long-term lubrication in food and pharmaceutical	0	High load carrying ability
					industry.	0	Excellent corrosion protection
					For long-term or life-time lubrication of rolling and plain bearings and all sliding	0	Extended relubrication cycles
					pairs susceptible to wear under extreme conditions, especially	0	Resistant against chemicals and aggressive media
					in food and pharmaceutical industry.	0	Resistant to oxidation and ageing
					Typical applications: baking ovens, baking lines, guide pulleys of conveyor chains,		
			" air		kiln cars, calenders and other applications e.g. in dairies and beverage filling.		
					Colour: white , Base: PFPE oil , NLGI Grade: 00		
					Temperature range: - 40°C - + 260°C		
				ALLIDEY O OO ED	Fully synthetic aluminium-complex semi-fluid grease.	0	Compatible with usual plastic and sealing materials
				ALUPEX S 00 FD Especially designed for lubrication of machinery and equipment in the food and	Especially designed for lubrication of machinery and equipment in the food and	0	Reduces wear and tear
					pharmaceutical industry where incidental contact with food	0	Very good resistance to ageing
				may occur. Typical applications: gears, rolling and plain bearings, joints, levers,	may occur. Typical applications: gears, rolling and plain bearings, joints, levers,	0	Stable to cold and hot water
			The state of the s		bolts, tracks, hoist cylinders and rotary cams, etc.	0	Free from mineral oi
					Colour: white, Base: synthetic oil, NLGI Grade: 00,		
					Temperature range: - 30°C - + 150°C		
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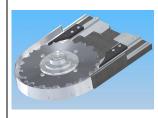


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3	Hydraulics		PREMIUM HLP 68 FD	Hydraulic oil for the food and pharmaceutical industry. Developed for the lubrication of valves, pistons, cylinders in hydraulic systems, as well as guidings, tubes and slide ways in the food and pharmaceutical industry. Also suited for the use in bearings and small gears. Colour: transparent, Base: med. white oil, Viscosity at 40°C: 68 mm2/s (other viscosity grades aviable on request)	0 0 0 0	Very good corrosion protection Extends lifetime of machine parts and industrial plants Permits longer oil change intervals by lower strain Free from solids and silicone	
4	Screwed connections		PORTUS L 84-201	Temperature range: - 10°C - + 90°C White high-temperature paste for food and pharmaceutical industry. As assembly and lubricating paste for bolts, nuts, studs, flanges and spindles as well as other sliding surfaces in screw and plug connetions, guidebars, hinges and rollers. Colour: white, Base: semi-synthetic oil, Density at 20°C: approx. 1,55 g/cm3 Temperature range: - 20°C - + 1.200°C, from + 200°C dry lubrication	0 0 0 0	High load carrying ability Efficient lubrication even at high temperatures Avoids groove formation Compatible with elastomeres Very good anti-corrosion properties	
5	Roller and sliding bearings, hinges		DURATA HT FLUID 500	Fully synthetic lubricating fluid for high-temperature applications. Rolling and plain bearings, sinter bearings at temperatures up to + 250°C. Wear protection of electric contacts, especially gold and gold alloys. Successfully in use for lubrication of plastic/plastic friction pairings and high-temperature chains in the food industry. Colour: colourless, clear, Base: PFPE oil, Density at 20°C: 1,91 g/cm3 Viscosity at 40°C: 460 mm2/s, Temperature range: - 20°C - + 250°C	0 0 0 0 0	NSF H1 conform Excellent stability against nearly all chemicals Very good di-electric properties Resistant to radiation and oxygen High oxidation and thermal stability Excellent lubricating properties	





5	Roller and
	sliding
	bearings,
	hinges



DURATA HT 56-00 FD DURATA HT 56-01 FD DURATA HT 56-02 FD **High-temperature grease for long-term lubrication** in food and pharmaceutical industry.

For long-term or life-time lubrication of rolling and plain bearings and all sliding pairs susceptible to wear under extreme conditions, especially in food and pharmaceutical industry.

Typical applications: baking ovens, baking lines, guide pulleys of conveyor chains, kiln cars, calenders and other applications e.g. in dairies and beverage filling. Colour: white, Base: PFPE oil, **NLGI Grade: 00 / 1 / 2**,

Temperature range: - 40°C - + 260°C

STRONGANA MBS 12 FD

Versatile high-temperature grease without solid lubricants with extremely high wear and corrosion protection.

Suitable for rolling and plain bearings, joints and other sliding pairings in machinery and equipment in the food industry working under high temperatures and high loads.

Colour: light beige, Base: semi-synthetic oil , NLGI Grade: 2 $\,$

Temperature range: - 25°C - + 160°C, Short term max. temp.: + 180°C



ALUPEX S 00 FD ALUPEX S 01 FD ALUPEX S 02 FD Fully synthetic aluminium-complex grease for food and pharmaceutical industry. Especially designed for lubrication of machinery and equipment in the food and pharmaceutical industry where incidental contact with food may occur. Typical applications: gears, rolling and plain bearings, joints, levers,

bolts, tracks, hoist cylinders and rotary cams, etc.

Colour: white, Base: synthetic oil, **NLGI Grade:** 00 / 1 / 2,

Temperature range: - 30°C - + 150°C

- High load carrying ability
- o Excellent corrosion protection
- Extended relubrication cycles
- Resistant against chemicals and aggressive media
- Resistant to oxidation and ageing
- Very high wear and corrosion protection
- High load carrying ability
- o Resistant to cold and hot water, alkaline solutions etc.
- Environmentally friendly; no labelling according to the ordinance on hazardous substances (GefStoffV)
- o Compatible with usual plastic and sealing materials
- o High adherence on metallic surfaces
- Silicone-free
- Compatible with usual plastic and sealing materials
- o Reduces wear and tear
- Very good resistance to ageing
- o Stable to cold and hot water
- Free from mineral oi





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5	Roller and sliding bearings, hinges	ALUPEX M 02 FD	Light-coloured, semi-synthetic aluminium-complex grease for food and pharmaceutical industry. Especially designed for lubrication of machinery and equipment in the food and pharmaceutical industry where incidental contact with food may occur. Typical applications: rolling and plain bearings, joints, levers, bolts, tracks, hoist cylinders and rotary cams, etc. Colour: light coloured, almost transparent Base: med. white oil / SHC, NLGI Grade: 2, Temperature range: - 20°C - + 130°C, Short term max. temperature: + 150°C	0 0 0 0	NSF H1 conform Compatible with usual plastic and sealing materials Excellent corrosion protection Reduces wear and tear Very good resistance to ageing
		SILKOPEX L 50	High temperature silicone grease. For low loaded rolling and plain bearings in a wide temperature range as well as for lubrication of material pairings metal/plastic and as assembly lubricant for material pairings metal/rubber. Colour: white, Base: silicone oil NLGI Grade: 2, Temperature range: - 50°C - + 200°C	0 0 0 0 0 0	NSF H1 conform Odourless Stable to cold and hot water Resistant to superheated steam up to approx. + 130°C Outstanding sealing properties Resistant to oxidation Compatible with EPDM, FPM und NBR
6	Fittings, valves, sealings	STRONGANA S 03 FD STRONGANA S 0 FD	Adhesive greases for food and pharmaceutical industry. For lubrication of taps, valves, gaskets, glands, tubular tracks, cams, joints, guide ways and machinery parts where the lubricant may have contact with the foodstuff. Colour: light, Base: synthetic oil, NLGI Grade: 3 / 0, Temperature range: - 5°C - + 150°C	0 0 0 0	Universal in use Very good adhesion property Resistant to cold and hot water Free from mineral oil Resistant to oxidation and ageing
		STRONGANA M 0 FD STRONGANA M 02 FD	Light multi-purpose greases for food and pharmaceutical industry. For long-term lubrication of fittings, tap cocks, joints, sliding surfaces, filling stations, packaging and sealing machines. Colour:light, Base:semi-synth.oil NLGI Grade: 0 / 2, Temperature range: - 15°C - + 140°C	0 0 0	Excellent corrosion protection Resistant to cold and hot water, alkaline solutions etc. Neutral to beerfoam - if applied properly Compatible with usual plastic and sealing materials





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			SILKOPEX L 64 - 01	Silicone lubricating greases for a wide application range.	0	Resistant to cold and hot water
6	Fittings,		SILKOPEX L 64 - 03	For lubrication and sealing of connectors, O-rings, control and pressure regulating	0	Outstanding sealing properties
	l valvas			valves, especially in food and pharmaceutical industry. As assembly	0	Excellent oxidation stability
	valves,	\ /		lubricant for plastic-sheathed cables to be pulled through cable channels. For	0	Odourless, tasteless
	sealings			waterproof electrical connectors, electrical components and terminals.	0	Non-volatile and non-conductive
	36amigs			Colour: light, Base: silicon oil, NLGI Grade: 3 / 1	0	Neutral to elastomers, plastics and metals
				Temperature range: - 40°C - + 150°C		
			SILKOPEX L 92 FD	Silicone lubricating grease for fittings.	0	Excellent oxidation stability
				Lubricating grease for valves and fittings (e.g. beer dispensing valves) and EPDM	0	Excellent sealing properties
				seals in the beverage industry. Assembly luricant for metal/ plastic and	0	Mineral oil free
				metal/rubber pairings. Colour: white, Base: silicon oil, NLGI Grade: 3,	0	Neutral to beerfoam - if applied properly
				Temperature range: - 40°C - + 150°C	0	Stable to cold and hot water, steam
					0	Compatible with EPDM, FPM und NBR
				Adhesive grease on silicone basis.		
			SILKOPEX L 104 FD	For lubrication and sealing of plug connections, rubber and plastic O-rings. As	0	Excellent oxidation stability
					0	Stable to humidity
				Colour: whitish, Base: silicon oil, NLGI Grade: 2-3	0	Odourless
				Temperature range: - 30°C - + 150°C	0	Non-volatile
				Tomporatare range. See S. Tee S.	0	Non-conductive
					0	Economical in consumption
7	Correcion					
'	Corrosion			Grease-like corrosion preventive of the latest generation.	0	Excellent corrosion protection
	protection		PREMIUM CP GREASE FD	Ideal for the protection of tools for production of plastic parts for the food and	0	Extremely water repellent
	protoction			pharmaceutical industry. bulk NSF conform, but not registered	0	Short drying time
				Colour: transparent, light yellow, Base: corrosion preventive in solvents	0	High affinity to metal surfaces
				Temperature range: - 20°C - + 70°C		
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8	Cleaning	PREMIUM CLEANER FD	High performance cleaner and degreaser, highly effective and fast evaporating. For residue-free basic cleaning and degreasing of machine components and injection moulds/-tools. Removes quickly and reliable grease, oil, resin, dirt and remains of sealings. Colour: colourless, Base: SHC, Temperature range: - 30°C - + 80°C	0 0 0	Odourless Evaporates quickly and without residues Cleans quickly and efficiently Eco- and user friendly Guarantees absolutely clean surfaces
		PREMIUM CLEANER PFPE	Special cleaner/thinner on PFPE basis. For basic cleaning (without residues) prior to new greasing or regreasing with PFPE lubricants. Suitable for use on rolling and plain bearing and other machine elements. Also suitable as thinner for PFPE greases. Colour: colourless, Base: PFPE oil, Temperature range: - 20°C - + 70°C	0 0	NSF H1 conform Permits improved adhesion and thus an increased performance Removes residues of old PFPE lubricants Cleans quickly and efficiently
g	Maintenance and servicing	PREMIUM GLIDE FD OIL	Fully synthetic lubricating and fine oil for the for food and pharmaceutical industry. For lubrication, loosening, preserving, cleaning and making mechanical elements move smoothly in applications where incidental food contact cannot be avoided. Examples: precision drives, measuring tools, sliders, spindles, joints, fittings, chains and ropes, cylinder locks, screw connections, mechanical seals etc. Also suitable as care spray for stainless steel and as corrosion protection for metallic surfaces. Colour: light yellow, Base: synthetic oil, Temperature range: - 20°C - + 80°C	0 0 0	Optimal temporary corrosion protection of metallic surfaces Produces a not developing protective film Neutral to most plastics and elastomers Silicone-free
		PREMIUM P 800 OIL	Synthetic, transparent lubricating and separating agent, based on silicone oil. Ideal for plastic/plastic and plastic/metal friction pairings in different applications. Colour: transparent, Base: silicon oil, Temperature range: - 40°C - + 180°C	0 0 0	For all sliding parts metal on rubber Outstanding water displacing properties Lubricates without greasing Avoids electrostatic charging
		PREMIUM WHITE OIL FD	Multi-purpose oil for the food processing industry. Preservation and conservation of sealing, O-rings, hinged slat or roller chains as well as any kind of drives in the whole food, pharmaceutical and cosmetic industry. Colour: colourless, water clear, Base: med. white oil, Temperature range: - 10°C - + 100°C	0 0 0	Absorbs water residues Excellent corrosion protection Outstanding sliding surface Economical in consumption