

your global specialist

Stunningly efficient.

Speciality lubricants for the cosmetics industry



Your applications – Our solutions at a glance



High requirements ...

Is your company facing new challenges every day?
Are you responsible for strict quality management processes and want to avoid any contamination of your products, yet at the same time need your machines to operate cost-effectively and with the longest possible service intervals?

We know what matters. When producing cosmetic products, the provisions established by DIN EN ISO 22716 Cosmetics – Good Manufacturing Practices (GMP) must be observed. The risk controls required pursuant to these provisions also relate to the operating materials, including lubricants, that can come into contact with your product.

... cleanly met

Our high-performance speciality lubricants were not only developed in close collaboration with machine manufacturers but are also registered as NSF-H1 products. Furthermore, our production facilities for H1 lubricants are certified by the NSF to the new international standard for hygiene requirements ISO 21469. This standard establishes hygiene requirements for the formulation, production and use of lubricants with incidental product contact. It requires lubricant manufacturers to develop a hygiene strategy and considers chemical, physical and biological risks in relation to the intended lubricant uses.

Our high-performance H1 lubricants enable you to enhance the productivity, reliability and cost-effectiveness of your machines. Whether you want to extend the service life of your components, minimise maintenance intervals or save energy, our speciality lubricants are always the right choice.

We have optimised all speciality lubricants on an application-specific basis to meet your key requirements:

- high resistance to ageing and oxidation
- optimised wear protection
- excellent corrosion protection
- exceptional resistance to water, to prevent lubricants from being washed off during cleaning activities
- outstanding load-bearing capacity

In addition to our outstanding speciality lubricants, we also offer you a broad range of services. Tailored to your individual requirements, our experts assist you with your lubricant management.

We will also gladly offer you consulting services, for example if you want to change from mineral-oil-based industrial lubricants to H1-registered high-performance lubricants.



Module	Component	Product description	Our speciality lubricants (FDA 21 CFR compliant, NSF H1 registered, NSF ISO 21469 certified)	Your benefits
Reactor	Gear units for agitators	synthetic gear oil	Klüberoil 4 UH1 N Series	Extended service intervals due to excellent ageing and oxidation stability of the polyalphaoelfin base oil
	Mechanical shaft seals	superfluids in various viscosity grades	Klüberfluid NH1 4-005, PARALIQ P 12, Klüberoil 4 UH1-15 AF	Higher process reliability, tested and recommended by EagleBurgmann (manufacturer of industrial seals)
(Vacuum) mixers, homogenisers	Valves and fittings	synthetic sealing grease	PARALIQ GTE 703	Longer seal life due to excellent compatibility with EPDM seals. Recommended by many OEMs
	Rolling bearings	synthetic multipurpose grease	Klübersynth UH1 14-151	The special lubricating grease enables product streamlining and efficient maintenance owing to its wide range of applications; very good pumpability in central lubrication systems; starved lubrication is prevented
Filling lines	O-ring seals in filling station	synthetic sealing grease	PARALIQ GTE 703	Longer seal life due to excellent compatibility with EPDM seals. Recommended by many OEMs
	Lifting rods	synthetic multipurpose grease	Klübersynth UH1 14-222	The special lubricating grease enables product streamlining and efficient maintenance owing to its wide range of applications (e.g. rolling and plain bearings, lifting cylinders, guide bars and cam discs)
Packaging machines	Guide rails, toothed racks, drives, spindles, universal shafts	synthetic multipurpose grease	Klübersynth UH1 14-151	The special lubricating grease enables product streamlining and efficient maintenance owing to its wide range of applications; very good pumpability in central lubrication systems; starved lubrication is prevented
	Conveyor belts	silicone spray	UNISILKON M 2000 Spray	For non-metallic surfaces like plastic and rubber; particularly for conveyor belts made of plastic, as these lubricants are compatible with most plastics; efficient protection against sticky deposits; easy application by spraying
	Drive chains	synthetic oil spray	Klüberoil 4 UH1-1500 N Spray	Easy-to-apply spray. The active agent of the spray easily penetrates the chain links due to aerosol formation and protects them against wear

Further speciality lubricants for daily use

Our products for your application	Our speciality lubricants	Your benefits
Special synthetic oil for air compressors	Klüber Summit FG series	Low maintenance and operating costs due to long oil change intervals of up to 5,000 operating hours in oil-injected screw-type compressors; low tendency to evaporation and thus low impact of the oil vapour on the compressed air and long life of activated carbon filters
Special synthetic oil for hydraulic systems	Klüber Summit HySyn FG 32	Special active agents improve ageing resistance, have a demulsifying effect, a low foaming tendency and are compatible with many NBR and FPM elastomer types
Corrosion protection for all production machines	Klüberfood NH1 K 32	Good corrosion protection for frequent cleaning operations; available as spray for easy application
White assembly paste for screw connections, flanged connections, etc. (made of special and standard steel)	Klüberpaste UH1 96-402	For high temperatures up to 1,200 °C; compatible with high-alloy steels; very good water resistance, therefore particularly suitable for friction points subject to moisture (guide rails, hinges, etc.); prevents fretting corrosion; protects against corrosion
Cleaning/degreasing agent	Klüberfood NK1 Z 8-001 Spray	Rapid and thorough removal of oils, greases, waxes and resin residues; easy application by spray

www.klueber.com

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.



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