



Customised solutions for each application

Speciality lubricants for the food-processing industry

KLÜBER
LUBRICATION
your global specialist

Lubricants for the food-processing industry are subjected to a multitude of requirements; they have to comply with food regulations, be physiologically inert, neutral in taste and odour and internationally approved. They also have to reduce friction and wear, protect against corrosion, dissipate heat and have a sealing effect.

Selecting the right lubricant is crucial when it comes to improving reliability and the service life of parts and components. The correct selection of the lubricants is crucial to lower maintenance costs and to avoid unplanned machine downtime. The lubricant has to fit the philosophy of your production, your application and your products, as its formulation is the pre-requisite for a good product all-round. H1 lubricant from Klüber Lubrication meet these requirements.

Production with high-performance H1 lubricants

Lubricants for the food-processing industry are classified into different categories with specific requirements. Amongst the most important classifications include:

NSF H1	Lubricants for applications in which incidental contact with the food product can occur.
NSF H2	Lubricants which must not have contact with the food product.
NSF 3H	Release agent for direct contact with food product.
HACCP	Hazard Analysis and Critical Control Points. As far as lubricants are concerned, HACCP aims at excluding right from the start in a hazard analysis any occurrences which can induce contamination.
ISO 21469	International standard for lubricants. This standard establishes hygiene requirements for the formulation, production and use of lubricants with incidental product contact.

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Selecting the right lubricants for each application

Application	Products	Your requirements - our solution	Benefits
Lubricating grease for rolling bearings	Klüberfood NH1 11-572	As an operator of large installations where rolling bearings run under high loads , you want to ensure a trouble-free operation, reduce downtime and above all, save cost. Our H1-registered Klüberfood NH1 11-572 is both a high-performance and attractively priced lubricating grease .	<ul style="list-style-type: none"> – Strong anti-wear properties – Very good adhesion and resistance to water – Highly resistant to oxidation and protects your bearings reliably against corrosion – Cost savings due to reduced lubricant consumption – Longer maintenance intervals due to good load-carrying capacity (4-ball, welding load > 3500N) – Easy and convenient application due to good pumpability via centralised lubrication systems – Wide service temperature range (up to 140 °C) – NSF H1 registered for the food industry
High-temperature grease for large variety of applications	Klüberfood NH1 74-401	Klüberfood NH1 74-401 is developed for incidental food contact and it has a combination of high performance and load-carrying capacity of a synthetic base oil with the versatility of an innovative polyurea thickener .	<ul style="list-style-type: none"> – Cost savings and reliable due to prolonged service intervals and good load-carrying capacity – Reduction in the number of products due to its large variety of applications, wide temperature range and suitability for both manual and centralised lubrication systems – NSF H1 compliance for higher food safety standards in the food industry
Fully synthetic compressor oils	Klüber Summit FG Elite 46	Compressors have to withstand extremely high speeds, temperatures and pressures . It is also expected to be reliable with a minimum downtime . Klüber Summit FG Elite 46 clearly outperforms conventional food-grade compressor oils as it is especially developed to the requirements of air compressors, offering excellent oxidation stability.	<ul style="list-style-type: none"> – Low maintenance and operating costs due to extended oil change intervals – Product is miscible with mineral oils and other synthetic hydrocarbon oils – Special formulation ensures cleanliness of the oil-carrying components, thus enabling efficient operation of compressed-air plants – Longer service life of oil filters, activated carbon filters and oil separators – Very good water separation ability – NSF H1 registered for use in the food-processing industry

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