

# Siebert

Speciality lubricants for the food industry



## Siebert food-grade greases

Products	Thickener	NLGI Class	Operating temperature		Usage notes
			Long-term operation	Shortterm	
<b>Special grease LE</b>	Al complex	00–2	–20 °C to +140 °C	+180 °C	Normally loaded roller and plain bearings, bushings, guides, sliders, joints
<b>Special grease L-EP</b>	Al complex	00–2	–20 °C to +140 °C	+180 °C	Highly loaded roller and plain bearings, bushings, guides, sliders, joints, exposure to water (EP greases)
<b>Special grease LS-EP</b>	Al complex	00–2	–45 °C to +160 °C	+200 °C	Highly loaded roller and plain bearings, bushings, guides, sliders, joints at elevated temperature and exposed to water (EP greases)
<b>Special grease LE 4870</b>	Al complex	2	–20 °C to +140 °C	+180 °C	PTFE-containing grease for lubrication of bearings
<b>Special grease LE 4898</b> <b>Special grease LE 4897</b>	Al complex	1 2	–20 °C to +140 °C	+180 °C	Adherent EP grease for roller and plain bearings at high temperatures and humidity
<b>High-temperature grease 8942</b>	PTFE	2	–40 °C to +280 °C	+300 °C	High-temperature grease based on fluorinated synthetic oils and finely dispersed PTFE

## Siebert food-grade oils

Products	ISO VG class	Flash point	Pour point
<b>Hydraulic oils based on medical white oil</b>			
Hydraulic LW 5206	32–68	> 200 °C	< –15 °C
<b>Synthetic hydraulic oils</b>			
Hydraulic LS	15–100	>180 °C to 240 °C	< –56 °C
<b>Synthetic gear oils</b>			
Gear oil LS	68–680	> 240 °C	< –42 °C
<b>Synthetic chain oils</b>			
Chain oil LS	32–1500	>200 °C to 230 °C	< –33 °C
<b>Compressor oils</b>			
Compressor oil LS	46–100	> 240 °C	< –56 °C

## Siebert process oils

Products	ISO VG class	Flash point	Pour point
<b>Process oils based on medial white oils</b>			
Process oil LW	24–68	> 200 °C	< –9 °C

This is an excerpt from the complete Siebert program. We would be happy give you information about other products.

## Speciality lubricants for the food industry

Consumers have a right to healthy and above all problem-free food. Manufacturers and processors alike take care of this. At Siebert, we also do our part by supplying our trading partners – from production up to filling and packaging of food products – with lubricants that are harmless to health.

Siebert lubricants are:

- Neutral in taste and smell
- Harmless to health
- Compliant with food regulations
- Internationally approved

## Siebert products meet the NSF H1/3H standard

Where there could be occasional contact with food that cannot be avoided by technical means, only lubricants named in one of the lists published by the NSF under the heading H1 can be used. 3H products are release agents. This is why at Siebert we have a wide product range of NSF-H1/3H compliant greases and oils available for the specific applications of your customers.

The formulation of food-grade speciality lubricants is very complex, because the FDA (Food and Drug Administration) has specified a positive list of basic oils and additives that may come into contact with foodstuffs in small quantities, but are sometimes at the limit of their technical capabilities.

Even more than for conventional lubricants, the formulation and selection of the optimum lubricant therefore requires comprehensive expert knowledge and practical experience. Talk to our specialists from Siebert to help you determine the best lubricant to meet the needs of your customers.

## Kosher and Halal certification optional

Siebert offers you several lubricants that have official Kosher and Halal certification. This means that there is no contamination with substances banned under Muslim or Jewish law during the preparation, production and/or storage. As a Siebert trading partner, you can rebrand without problems at any time.

## Siebert NSF H1/3H compliant greases and oils

- Reduce wear
- Reduce friction
- Can be used at high and low temperatures
- Remove heat
- Protect against oxidation and corrosion
- Are resistant to water and steam
- Are compatible with most plastics

## Versatile in use: Siebert NSF-H1/3H compliant lubricants

Regardless of whether in processing machines for beverages, fruit & vegetables, bread & pasta, edible oils, confectionery, dairy products, meat, fish or spices – Siebert NSF H1/3H compliant products can be used by customers in the entire food industry.

mixing      drinks machines  
dispensing      cleaning equipment      weighing  
bulk-material plants      baking      kneading      grinding      mixing      sorting  
metering      packaging machines  
cooking      crushing      tanks      silos  
stirring      pumps      filter systems      drying and cooling systems  
cutting      storage systems



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