

Safer process.  
Safer profit.



# rhenus SPECIAL LUBRICANTS

for the food industry



## rhenus food grade lubricants

Products	Thick-ener	NLGI class	Operating temperature		Usage notes
			Permanent operation	Short-term	
rhenus ACN series	Al complex	00-2	-20°C to +140°C	+180°C	Normally loaded roller and plain bearings, bushings, guides, sliders, joints
rhenus ADC series	Al complex	00-2	-20°C to +140°C	+180°C	Highly loaded roller and plain bearings, bushings, guides, sliders, joints (EP greases)
rhenus ABC series	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)
rhenus ABD 2	Al complex	2	-20°C to +140°C	+180°C	Very adherent grease
rhenus ABO 2	Al complex	2	-20°C to +140°C	+180°C	Grease containing PTFE for lubrication of bearings
rhenus ADD	Al complex	1-2	-20°C to +140°C	+180°C	Adherent EP grease for roller and plain bearings at high temperatures and humidity
rhenus WAO 2	PTFE	2	-40°C to +280°C	+300°C	High-temperature grease based on fluorinated synthetic oils and finely dispersed PTFE

## rhenus food grade oils

Products	ISO VG class *	Flash point	Pour point
<b>Hydraulic oil based on medical white oil</b>			
rhenus OHW 23	46	> 200°C	< -15°C
<b>Synthetic hydraulic oils</b>			
rhenus OHS series	15 - 100	> 180°C to 240°C	< -56°C
<b>Synthetic gear oils</b>			
rhenus OGS series	68 - 460	> 240°C	< -42°C
<b>Synthetic chain oils</b>			
rhenus OCS series	32 - 460	> 200°C to 230°C	< -33°C
<b>Compressor oils</b>			
rhenus OVS series	46 - 100	> 240°C	< -56°C
<b>Process oils</b>			
rhenus OPW series (NSF-3H)	24 - 68	> 200°C	< -9°C

\* further ISO VG classes available on request

This is an excerpt from the complete rhenus program. We are happy to advise you about other products.

## Special lubricants for the food industry

Food must be healthy and safe! Food manufacturers and processors usually carry the responsibility to ensure that this is the case. We assume the responsibility for applied lubricants. We make sure you are able to use lubricants that are not harmful to health which provide the best technological properties throughout your entire manufacturing process – from production to filling and packaging – manufactured according to the high hygiene standards of ISO 21469.

**Our lubricants are:**

- Neutral in taste and odour
- Not harmful to health
- Compliant with food regulations
- Internationally approved

**NSF H1 and 3H. rhenus products are safe.**

We have developed an ample range of H1-grade greases and oils for your specific applications. The internationally recognised H1 standard guarantees that these lubricants are not harmful when occasionally coming into contact with foodstuff as a result of unavoidable, technical processes. Consequently, you are always on

the safe side throughout the entire production process thanks to rhenus lubricants.

NSF International has assessed the product on the basis of the most stringent criteria and approved it as H1 lubricant.

We also offer process oils with the even more demanding NSF-3H approval – for lubricants that come into direct contact with food – e.g. as a release agent in baking molds.



**Halal and kosher. rhenus products comply with religious food standards.**

The terms halal and kosher literally mean “permitted, approved, legal, legitimate”. Rhenus Lub produces a host of halal and kosher certified lubricants on dedicated production lines. This means that there is no contamination with substances banned under Muslim or Jewish law during the preparation, production and/or storage.



## rhenus NSF H1 and 3H Food grade greases and oils

- Reduce wear
- Reduce friction
- Can be used at high and low temperatures
- Dissipate heat
- Protect against oxidation and corrosion
- Resistant to the majority of chemicals
- Resistant to water and steam
- Compatible with metals and many plastic types

### Our NSF H1 and 3H Food grade lubricants.

#### Versatile application.

rhenus food grade lubricants are used throughout the entire food and beverage industry – in processing machines for any type of beverage, fruit and vegetables, bread and baked goods, edible oils, confectionery, dairy products, meat, fish or spices.

This is a mere selection of the many application options.

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