

# LUBCON<sup>®</sup> Clean Series

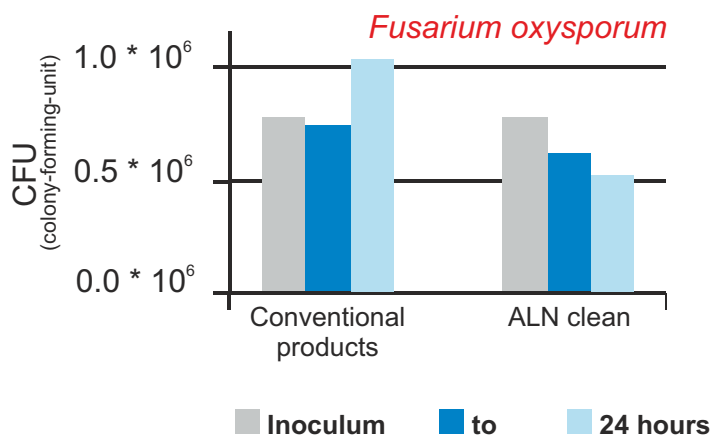
## Lubricants with Antimicrobial Additives

Cleanliness and hygiene are essential in the food, beverage and pharma industry to avoid bacterial formations. The cleaning process of components such as bearings can often be very time consuming. LUBCON lubricants containing antimicrobial additives can be efficiently utilized to prevent microbial growth.

### Turmosynthgrease ALN clean Series

- Synthetic high-performance greases with antimicrobial additives
- Prevent pathogenic microbial growth in grease
- No food contamination due to incidental food contact
- For food processes with high hygienic requirements

### Microbial Growth Effect in Grease



### Bearing Lubrication with Turmosynthgrease ALN 1002 clean



### Turmsilon LMI 5000 clean

- Silicone grease with antimicrobial additives
- For the lubrication of EPDM and rubber seals
- For applications where microbial growth can be of substantial risk
- Example: aseptic and cold bottling of juices

### Advantages

- ✓ H1-certified (InS)
- ✓ No microbe contamination during incidental contact of grease with the processed food product
- ✓ High performance
- ✓ Wide application range

# LUBCON® Clean Series

## Lubricants with Antimicrobial Additives



### Applications

The **LUBCON Clean** lubricant series has been developed for applications with high hygienic requirements. For those applications pathogenic, microbial growth and microbial contamination present a substantial risk. This includes e. g. all processes restraining heating, irradiation, sterilization or the addition of preservatives for microbial reduction.

Hospitals and physician offices

Feeding stuff and pet food production

Pharmaceutical and cosmetics industry



Medical engineering

Food and beverage industry

Commercial kitchens

Luxury foods, alcohol and tobacco industry

### Technical Data

		Turmosynthgrease ALN 1002 clean	Turmsilon LMI 5000 clean
<b>Colour</b>		beige/reddish-beige	white
<b>Operating temperature range</b>		-40 up to 140 °C (-40 up to 284 °F)	-50 up to 220 °C (-58 up to 428 °F)
<b>Thickener</b>		Polyurea/Aluminium special soap	PTFE
<b>Base oil</b>		Synthetic hydrocarbons	Silicone oil
<b>Consistency grade (NLGI)</b>	<b>DIN 51818</b>	2	3
<b>Density at 20 °C (68 °F)</b>	<b>DIN 51757</b>	0.85 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>
<b>Water resistance</b>	<b>DIN 51807</b>	0 – 90	0 – 90
<b>Speed factor (n x d<sub>m</sub>)</b>		700 000 mm/min	not specified

Antimicrobial additives used in the **LUBCON Clean** lubricant series prevent only pathogenic microbial growth in lubricants. They do not protect the user against pathogenic germs.

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