

# Foodgrease SPU 000

## Foodgrease SPU 00

### Foodgrease SPU 0

Art. 5730 / 5731 / 5732

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**Description:** Foodgrease SPU are synthetic aluminium-complex lubricating greases for the food, animal feed and pharmaceutical industries and their suppliers.

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**Applications:** – lubricating points on production, transfer, filling and packaging machinery.

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#### Product characteristics

– Lubricant complying with der FDA regulation 21 CFR 178.3570, NSF H1 registered, DIN EN ISO 21469 certified, odourless and tasteless

– Ideal for extreme conditions

– Excellent compatibility with plastics

– Excellent protection against abrasion and wear

– Good corrosion protection

– Good media compatibility

– Free of vegetable and animal esters

– Free of solvents and mineral oils. Free of genetically modified organisms (GMO)

#### Benefits

→ High security against product contamination. Facilitates compliance with hygiene regulations as per Foodstuffs and utility articles ordinance (LGV). Supports due diligence obligation and quality assurance QS as per ISO 9000.

→ Good machinery lubrication also with high humidity and wide temperature variations

→ Does not affect commercial seal materials and elastomers

→ High operational reliability of aggregates and machinery

→ Lubricating points are protected against corrosion

→ Foodgrease SPU is nonsoluble in water, resistant to water vapour and commercial detergents

→ High resistance to hydrolysis minimizes deposits and sludge formation

→ Corresponds to current health knowledge for lubricants used in the food-, feed and pharmaceutical industries and their suppliers

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**Correct use:** Avoid mixing Foodgrease SPU with other saponified lubricating greases. Otherwise premature re-greasing may be required due to softening during the transitional period. Food-relevant requirements as per FDA regulation 21 CFR 178.3570, NSF H1, DIN EN ISO 21469 are only met with unmixed Foodgrease SPU. Significance of NSF H1: Lubricants that are approved for an incidental contact with food, feed and pharmaceutical products.

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**Physical-chemical data:** see overleaf

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Physical-chemical data:	Foodgrease SPU 000 Art. 5730	Foodgrease SPU 00 Art. 5731	Foodgrease SPU 0 Art. 5732
Characteristics	Very fluid grease	Fluid grease	Semi fluid grease
Complies with:	FDA 21 CFR 178.3570, NSF H1, DIN EN ISO 21469	FDA 21 CFR 178.3570, NSF H1, DIN EN ISO 21469	FDA 21 CFR 178.3570, NSF H1, DIN EN ISO 21469
Lubricant type to DIN 51502	KPF HC 000 K-40	KPF HC 00 K-40	KPF HC 0 K-40
Colour, appearance	white	white	white
Penetration to DIN ISO 2137	NLGI 000	NLGI 00	NLGI 0
Density at 20°C to DIN 51757	0.85 g/cm <sup>3</sup>	0.85 g/cm <sup>3</sup>	0.85 g/cm <sup>3</sup>
Application temperature range	-40°C to +120°C	-40°C to +120°C	-40°C to +130°C
Grease type (thickener)	Aluminium complex	Aluminium complex	Aluminium complex
Drop point ISO 2176	>150°C	>170°C	>190°C
Base oil	PAO	PAO	PAO
Base oil viscosity at 40°C	350 mm <sup>2</sup> /s	350 mm <sup>2</sup> /s	350 mm <sup>2</sup> /s
Base oil viscosity at 100°C	41 mm <sup>2</sup> /s	41 mm <sup>2</sup> /s	41 mm <sup>2</sup> /s
Speed characteristic (d <sub>m</sub> x n) = mean bearing dia. in mm multiplied by speed in rpm	up to ca. 400'000 mm/minute	up to ca. 400'000 mm/minute	up to ca. 400'000 mm/minute
Corrosion protection grade (EMCOR DIN 51802)	1	1	1
	<ul style="list-style-type: none"> <li>- Very fluid grease</li> <li>- Central lubrication systems</li> <li>- Lubrication points with very thin and long feed pipes or other hindrances</li> <li>- Lubrication points requiring very soft low-viscosity grease</li> </ul>	<ul style="list-style-type: none"> <li>- Fluid grease</li> <li>- Central lubrication systems</li> <li>- Linear guides (e.g. ball bearings)</li> </ul>	<ul style="list-style-type: none"> <li>- Semi fluid grease</li> <li>- Central lubrication systems</li> <li>- Linear guides (e.g. ball bearings)</li> <li>- Roller and sleeve bearings</li> </ul>

#### Safety and environmental aspects:

ADR/RID:  
Precautions:

Water hazard class:  
EC-waste code:  
CH-waste code:  
Classification and labeling:

not dangerous goods  
Do not allow to get into ground water, water course or sewage system.  
slightly water endangering (WHC 1, German Regulation)  
12 01 12 or 13 08 99  
identical to EC waste code (as per VeVA of 01.01.06)  
stated in the safety data sheet



Container sizes: Drum: 170 kg • 45 kg

Canister: 14 kg

Cartridge: Foodgrease SPU 0: 380 g

The data given on this sheet are based on properties and application possibilities as known to us. Blaser Swisslube AG cannot be held liable for any damages resulting from the improper use of its products. No general legal liability can be derived from these data. 31.551 E (0417)