

# Foodgrease SPU 1

## Foodgrease SPU 2

Art. 05733-01 / 05734-02

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

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

### Product characteristics

- Lubricant complying with FDA regulation 21 CFR 178.3570, NSF H1 registered, 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 the duty of care and compliance with the quality management according to DIN EN ISO 9001
- Good machinery lubrication also with high humidity and wide temperature range
- 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, resists 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

**Correct use:** Avoid mixing Foodgrease SPU with other saponified lubricating greases. Otherwise premature regreasing may be required due to softening during the transitional period. Food-relevant requirements as per FDA regulation 21 CFR 178.3570, NSF H1, 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.

**Physical-chemical data:** see overleaf

# Foodgrease SPU 1

# Foodgrease SPU 2

Art. 05733-01 / 05734-02

## Physical-chemical data:

	Unit	Foodgrease SPU 1 Art 5733	Foodgrease SPU 2 Art 5734	Test procedure
Characteristics:		Very soft lubricating grease	Soft lubricating grease	
Meets the requirements of:		FDA 21 CFR 178.3570, NSF H1	FDA 21 CFR 178.3570, NSF H1	
NSF Registration No.:		152553	152552	
Application temperature range:	°C	-40 to +140	-40 to +150/160	
Grease type (thickener):	–	Aluminium complex	Aluminium complex	
Colour / appearance:	–	white	white	
Alloy type:	–	KPF HC 1 N-40	KP HC 2 P-40	DIN 51502
Penetration class:	–	NLGI 1	NLGI 2	DIN ISO 2137
Worked Penetration Pw 60 (60 stroke at 25 °C):	1/10 mm	310-345	265-295	ISO 2137
Density at 20 °C:	g/cm <sup>3</sup>	0.85	0.85	IP 530
Drop point:	°C	> 220	>220	IP 396
Base oil:		synthetic	synthetic	
Oil viscosity at 40 °C:	mm <sup>2</sup> /s	350	260	ASTM D 7152
Oil viscosity at 100 °C:	mm <sup>2</sup> /s	41	26	ASTM D 7152
Oil separation (after 7 days at 40 °C):	%	n.a. <sup>(2)</sup>	3.5	DIN 51817
Mechanical stability, Shell roll test (4h/25 °C) <sup>(1)</sup> :	1/10 mm	n.a. <sup>(2)</sup>	+3	ASTM D 1831/ISO 2137
Anticorrosive behaviour, EMCOR test:	–	1	1	ISO 11007
Speed index (d <sub>m</sub> x n):	m/min	up to 400	up to 350	
VKA welding force:	N	min. 4000	min. 3000	DIN 51350/4
Flow pressure at -20 °C <sup>(1)</sup> :	mbar	n.a. <sup>(2)</sup>	n.a. <sup>(2)</sup>	DIN 51805
Flow pressure at -30 °C <sup>(1)</sup> :	mbar	n.a. <sup>(2)</sup>	400	DIN 51805
Water washout characteristics <sup>(1)</sup> :	%	7.0	5.0	ASTM D 1264
Washability <sup>(1)</sup> :	%	28	7.6	ASTM D 4049
		- Very soft lubricating grease - Central lubrication systems - Linear guides (e. g. ball bearings) - Roller and sleeve bearings	- Soft universal lubricating grease - Roller and sleeve bearings - Linear guides (e. g. ball bearings) - Sliding surfaces	

(1) typical value; (2) n.a. = not available

## Safety and environmental aspects:

ADR/RID:  
Precautions:

not dangerous goods

Do not allow product to get into ground water, water course or sewage system.  
slightly water endangering (WHC 1, German Regulation)  
12 01 12

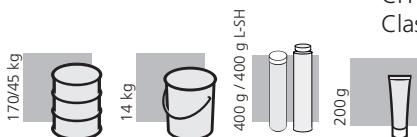
Water hazard class:

EC-waste code:

CH-waste code:

Classification and labeling:

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: 400 g • 400 g L-SH Tube: 200 g (art. 5734)

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.

31.552 E (0324)