



Nonfood Compounds
Program Listed H1
157444
NSF 537 PFAS-Free Certified

Foodgrease WPE 2

Art. 00732-01

Description: Foodgrease WPE 2 is a water-resistant high-performance lubricating grease based on state-of-the-art calcium sulfonate complex soaps and pharmaceutical white oil, for the food, animal feed and pharmaceutical industries and their suppliers.

Applications: – Foodgrease WPE 2 is an excellent lubricant for low to medium speed roller bearings, sleeve bearings, levers, articulated joints and hinges, under demanding operating conditions such as extreme water ingress, steam, high temperatures, heavy impact and pressure loading, extreme mechanical stress or vibrations. Ideally suitable for bottling plants, autoclaves, steam valves, tablet and pellet presses, mills and rolling mills, etc.

Product characteristics

- NSF 537 PFAS-free certification
- Lubricant complying with FDA regulation 21 CFR 178.3570, NSF H1 colourless and tasteless
- State-of-the-art integral soap structure with very high loadability
- Very high pressure-absorption capacity and excellent wear protection
- The calcium sulfonate complex soaps ensure excellent water resistance
- Dependable protection against corrosion
- Hohe Walkstabilität
- Contains no solvents or mineral oils. Free of genetically modified organisms (GMO)

Benefits

- Safe for people and the environment
- High security against product contamination. Facilitates compliance with hygiene regulations as per Foodstuffs and Commodities Ordinance. Supports the duty of care and compliance with the quality management according to DIN EN ISO 9001
- Very high loadability without EP or anti-wear (AW) additives
- Guarantees long life and good protection of machinery under heavy shock and friction loading
- Lubricity and sealing properties are unaffected even by extreme water ingress
- Protects machinery in damp environments to ensure long service life.
- Grease consistency is unaffected by heavy mechanical loading
- Complies with the latest lubrication technology health hazard findings for the food, animal feed and pharmaceutical industries and their suppliers

Physical-chemical data: – see overleaf

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Physical-chemical data:

	Unit	Description/Value	Test procedure
Characteristics:		Soft lubricating grease	
Meets the requirements of:		FDA 21 CFR 178.3570, NSF H1	
Application temperature range:	°C	-20 to + 140/180	
Grease type (thickener):	–	Calcium sulfonate complex grease	
Colour/appearance:	–	Brown	
Alloy type:	–	KP2N-20	DIN 51502
Penetration class:	–	NLGI 2	DIN 51812
Worked penetration Pw 60 (60 stroke at 25 °C):	1/10 mm	265-295	DIN ISO 2137
Density at 20 °C:	g/cm ³	1.02	IP 530
Drop point:	°C	>280	IP 396
Base oil:		Pharmaceutical white oil	
Oil viscosity at 40 °C:	mm ² /s	220	ASTM D 7152
Oil viscosity at 100 °C:	mm ² /s	22	ASTM D 7152
Oil separation (after 7 days at 40 °C):	%	0.2	DIN 51817
Shell roll test (mechanical stability):	1/10 mm	+20	ASTM D 1831/ISO 2137
EMCOR test (anticorrosive behaviour):	–	0/0	ISO 11007
Speed index (d _m x n):	m/min	bis 400	
VKA welding force:	N	6500	DIN 51350/4
Flow pressure at -20 °C -30 °C	mbar	750 >1400	DIN 51805
Static water resistance at 90 °C:		0	DIN 51807/1
Washability:	%	6.5	ASTM D 4049

Safety and environmental aspects:

ADR/RID:	Not hazardous
Precautions:	do not allow product to get into ground water, watercourses or sewage system
Water hazard class:	Slightly water endangering (WGK 1)
EC-waste code:	12 01 12
CH-waste code:	Identical to EU waste code (as per VeVA waste regulations of 01.01.06)
Classification and labelling:	See safety data sheet



Container sizes: Drum: 180 kg • 50 kg Pail: 14 kg Cartridge: 400 g

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