

Technical Product Information

Berusynth 15...1000 H1

Synthetic high-performance lubricating oil for the food processing and pharmaceutical industry



Examples of Application

- Transport and drive chains
- Hydraulics, gears
- Circulation lubrication
- Fans, air compressors
- Central lubrication
- Food and feeding stuff industry
- Pharmaceutical industry
- Machine manufacturers

Properties

- Neutral in smell and taste
- Neutral towards conventional seals and paints
- High corrosion protection
- High load carrying capacity
- This lubricant does not contain any allergens according to Regulation (EU) No 1169/2011 (Food Information Regulation) and according to the Dutch ALBA allergen database
- This lubricant is free of the chemical compounds MOSH and MOAH

Characteristic data

- Appearance: clear, colourless to yellowish

Registration/Certificates

- H1-registered
- ISO 21469
- Kosher certification
- Halal certification

Berusynth	DIN 51524/2, DIN 51524/3, DIN 51517/3, DIN 51506	Density 15 °C, g/cm ³ , DIN 51757	Kin. viscosity 40 °C, mm ² /s, DIN 51562	Kin. viscosity 100 °C, mm ² /s, DIN 51562	Viscosity index, DIN ISO 2909	Flash point, °C, DIN ISO 2592	Pourpoint, °C, DIN ISO 3016	Copper corrosion, degree, DIN ISO	FZG A/8,3/90, DIN ISO 14635-1	NSF-Registration no.
15 H1	HLP HC	0,82	15	3,8	125	170	-65	1		137382
32 H1	HLP HC, CLP HC,	0,83	32	6	140	220	-65	1	≥ 12	144978
46 H1	HLP HC, HVLP HC, CLP HC,	0,83	46	7,9	140	240	-60	1	≥ 12	137296
68 H1	VDL HC	0,83	68	11	145	240	-55	1	≥ 12	137381
100 H1	HLP HC, CLP HC,	0,84	100	14,5	145	250	-50	1	≥ 12	137297
150 H1	HLP HC, CLP HC,	0,84	150	19	145	250	-50	1	≥ 14**	143400
220 H1	CLP HC	0,84	220	26	150	250	-50	1	≥ 14**	137295
320 H1		0,84	320	38	150	250	-45	1	≥ 14**	144750
460 H1		0,85	460	44	150	255	-40	1	≥ 14**	137380
680 H1		0,85	680	59	155	260	-35	1	≥ 14**	137379
1000 H1		0,85	1000	82	165	260	-35	1	≥ 14**	137378

The above data correspond to latest technology, modifications reserved. This information is intended as a guide and does not necessarily represent a marketing specification. In individual cases tests have to be carried out by the consumer. Further data upon request



BEICHEM
LUBRICATION
TECHNOLOGY

Lubrication Solutions for Industry

BEICHEM develops, produces and sells high-performance lubricants and process media all over the world. The product range covers the fields of special lubricants, lubricants for industry and lubricants for metal working and forming technology. All product formulations are based on latest tribological knowledge.

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Synthetic high-performance lubricating oil for the food processing and pharmaceutical industry



Typical Application	15 H1	32 H1	46 H1	68 H1	100 H1	150 H1	220 H1	320 H1	460 H1	680 H1	1000 H1
General oil lubrication points					X	X	X	X	X		
Circulation lubrication	X	X	X	X	X	X	X	X	X	X	X
Hydraulics	X	X	X	X	X	X					
Friction gears			X								
Planetary gears				X	X	X	X	X			
Spur gears							X	X			
Worm gears							X	X	X	X	
Bevel gears							X	X	X		
Gears of centrifuges					X	X	X				
Transport and drive chains	X	X	X	X	X	X	X	X	X	X	X
Turbo clutch			X								
Couplings			X	X							
General central lubrication					X	X	X				
Rotary piston fans							X	X	X		
Pneumatic maintenance units	X	X	X								
Vacuum pumps		X	X	X	X	X					
Screw compressors			X	X							
Piston compressors				X	X						

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* This lubricant is not suitable for consumption

** acc. to DIN ISO 14635-1

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