

# Berusynth 68 H1

Part-No. 9362239

Synthetic high-performance lubricating oil



## Product description

Berusynth 68 H1 is a synthetic high performance lubricating oil for the food, feed and pharmaceutical industry with H1-registration, ISO 21469 certification and halal and kosher certification.

### Industries

- Food industry
- Pharmaceutical Industry

### Examples of application

- Circulation lubrication
- Hydraulics
- Friction gears
- Planetary gears
- Spur gears
- Bevel gears
- Transport and drive chains
- Couplings
- Vacuum pumps
- Screw compressors
- Piston compressors

### 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
- Neither MOSH nor MOAH (based on refined petroleum oils) containing substances have been added intentionally to the product

### Specification

- DIN 51524-2, DIN 51524-3, DIN 51517-3, DIN 51506 HLP HC, HVLP, HC, CLP HC, VDL HC

### Registration

- H1-registered

### NSF-Registration no.

137381

### Certificates

- ISO 21469
- Halal
- Kosher

## Characteristic data

Type	Unit	Value	Standard
Base oil		Polyalphaolefin (PAO)	
Color/Appearance		clear, colorless to yellowish	
Kinematic viscosity at 40 °C	mm <sup>2</sup> /s	approx. 68	DIN 51562-1/ASTM D 7042
Kinematic viscosity at 100 °C	mm <sup>2</sup> /s	approx. 11	DIN 51562-1/ASTM D 7042
Viscosity index		145	DIN ISO 2909
Working temperature range	°C	-40 – 120	
Working temperature range	°F	-40 – 248	
Density at 15 °C	g/cm <sup>3</sup>	approx. 0,83	DIN 51757

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Type	Unit	Value	Standard
Flash point	°C	≥ 240	DIN ISO 2592
Pourpoint	°C	-55	DIN ISO 3016
Copper corrosion (3 h/100 °C)	Degree of corrosion	1	DIN EN ISO 2160
FZG test A/8.3/90 - M	Load stage	≥ 12	DIN ISO 14635-1

## Instructions for use

- This lubricant is not suitable for consumption

Please read the safety data sheet prior to use to learn about precautions and safety instructions. Always comply with the applicable safety provisions and the intended use. You can request a copy of the current safety data sheet using the contact form on our website [www.bechem.de/kontakt](http://www.bechem.de/kontakt) or by e-mail to [bechem@bechem.de](mailto:bechem@bechem.de).

## Important notes

The information and technical data contained in this data sheet concerning the fields of application and processing for the product listed above are based on our knowledge and experience at the time of printing. Unless otherwise stated, this information is provided solely for reference and does not constitute a specification or warranty of quality in a particular instance. Many factors such as the relevant fields of application and the operating and working conditions are beyond the control of BECHEM. **For this reason, we cannot guarantee the suitability of our products for a specific purpose or application on the part of the customer. The delivery of our products and our liability are subject exclusively to our general sales and delivery conditions. These are available online at [www.bechem.de/agb.html](http://www.bechem.de/agb.html).**

Information regarding material compatibility is based on extensive laboratory testing and literature references. Due to the large number of plastics used and their raw materials as well as the complex chemical and morphological polymer structure, the indications regarding compatibility are solely a reflection of general trends. In order to ensure that the product is used correctly for individual orders and particularly for serial production, we recommend that the supplier carries out its own trials and application tests in advance and confirms the compatibility of the product or carries out thorough laboratory tests.

**Please refer to the current safety data sheet for information regarding: Hazardous material labelling, safety provisions, and regulations on storage and transport, and take any necessary precautions to protect property and persons.**

Because BECHEM products are subject to continuous development, CARL BECHEM GMBH and its associated companies reserve the right to make changes to the technical data in this data sheet at any time.

Visible variations in the product color of each batch as well as changes in the color of delivered products are technically possible and even probable for some products (for instance, due to the influence of temperature on raw materials). These processes are normal and confirmed by BECHEM raw material suppliers. They have no impact on the serviceability, service life, and quality of the products.

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For further information and more detailed product data, please contact us at: [info@bechem.com](mailto:info@bechem.com) or [bechem@bechem.de](mailto:bechem@bechem.de).

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Low temperatures



High temperatures



Food grade/Pharmaceutical  
technology



Closed gears



Hydraulic



Chains



Corrosion protection