

# **STRUB Food Gear Synt PG**

Synthetic polyglycol-based gear oils for worm gears in the food industry







## Description

STRUB Food Gear Synt PG are high quality polyglycol based gear oils for the food, beverage and feed industry.

The products are NSF (H1) registered and certified by NSF according to ISO 21469 and approved for use where possible food contact may occur. Manufactured to the highest quality standards in facilities where HACCP has been implemented and forms an integral part of the ISO 9001 and ISO 21469 quality and hygiene management systems. In addition, the products are certified according to the strict guidelines in accordance with Kosher and Halal.

### **Application**

Zur Schmierung von Schnecken-, Stirnrad-, Kegelrad- und Planetengetrieben, die starken Druck- und hohen Temperaturbelastungen ausgesetzt sind. Verwendbar in Industrieanlagen, Arbeitsmaschinen und Schienenfahrzeugen. Für Gleit- und Wälzlager in Hebezeugen, Kalandern, Walzwerken, Papiermaschinen, Brechern, Knetern, Förderanlagen usw.

## Features and advantages

- high protection against micro-pitting
- is not compatible with mineral oil or PAO
- low evaporation loss
- excellent aging resistance, optimum corrosion protection
- excellent wear protection
- excellent viscosity-temperature behavior
- Sealing materials such as acrylonitrile-butadiene rubber, Viton, PTFE and silicone rubber are resistant to STRUB Food Gear Synt PG. Compatibility with other elastomers must be tested on a case-by-case basis

#### **Specifications**

**DIN 51517 CLP** 

### **Technical data**

Technical data							
ISO VG	Test method		100	150	220	320	460
ArtNo.			33206	31359	31355	31356	31357
NSF Registration No.			-	156060	156061	156062	157057
Density at 20°C	ISO 12185	g/m³	0.992	0.996	0.998	1.000	1.012
Viscosity at 40°C	ISO 51562-T1	mm²/s	102	154	225	328	460
Viscosity at 100°C	ISO 51562-T1	mm²/s	18.1	26.4	37	54	77
Viscosity index			197	208	216	231	250
Flash point	ISO 2592	°C	> 210	240	260	260	260
Pour point	ISO 3016	°C	- 45	- 40	- 39	- 36	- 30
FZG-Test A/8.3/90	ISO 51354-T2		> 12	> 12	> 12	> 12	> 12

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

STRUB + Co. AG Mühlemattstrasse 5 phone +41 62 785 22 22 strub@strub-lube.ch
Swiss Tribology CH-6260 Reiden fax +41 62 785 22 33 www.strub-lube.ch

ISO 9001|14001, Version 1: 20.02.2014 / MF 1 von 2



## Handling and storage

All food grade lubricants must be stored separately from other lubricants, chemical substances and food. In addition, the products must not be exposed to direct sunlight or any other source of heat. Storage between 0°C to +40°C. If the product is stored under the above conditions, we recommend its use from the production date of 5 years. If a product is opened, it must be used within 2 years.

**Transport** 

ADR/SDR No dangerous goods

**Disposal** 

LVA VeVA / EAK: 13 02 06

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

phone

fax

+41 62 785 22 22

+41 62 785 22 33

Mühlemattstrasse 5

STRUB + Co. AG