



# PG Synth Gear FG

## FULLY SYNTHETIC GEARBOX OIL

PG Synth Gear FG is a polyglycol-based lubricant, primarily intended for use in extreme temperatures and loads. It is based on material certified for incidental food contact and is registered as H1. PG Synth Gear FG is recommended for spur gears and worm drives where longer replacement intervals and lower running temperatures are wanted. In continuous operation PG Synth Gear FG can be used in temperatures between 248 - 392 °F; 120 - 200 °C. It can be used for lubricating of sprockets, sliding surfaces and roller bearings and other high temperature applications, especially with ISO 320 - 680.

**NB! Cannot be mixed with mineral oils and some synthetic oils!**

### Characteristics

Very good temperature properties  
Very good load properties  
High termic and mechanical stability  
Endures long replacement intervals  
Very good corrosion prevention  
Resists micropitting  
Food grade

### Applications

Spur gears  
Worm drive  
Planetary gears

### Technical data

ISO grade	150	220	320	460	680
Colour	Transparent/yellowish				
Viscosity at 40°C, mm <sup>2</sup> /s	ISO 3104	150	220	320	460
Viscosity at 100°C, mm <sup>2</sup> /s	ISO 3104	25	42	61	83
Vicosity index	ISO 2909	>230	>230	>250	>250
Flash point, °C	ISO 2592	>280	>280	>280	>280
Working temperature range			-35 - +280°C		
Density @ 15 °C (kg/cm <sup>3</sup> )	ISO 3675	1057	1057	1062	1067
Product code	2450-150	2450-220	2450-320	2450-460	2450-680

The products are H1 registered: InS No. 1797325-29

### SDS - Safety Data Sheet

Available from [www.cargo-oil.se](http://www.cargo-oil.se) or by phone +86 2159950582

### Standard packages

- 210 litre drum
- 60 litre drum
- 20 litre pail
- 5 litre can

