



# PRODUCT DATA SHEET



## FOOD GRADE

Issue date: 16/5/19

## PRODUCT NAME/VISCOSITIES: MILLFOOD GEAR OIL

### DESCRIPTION:

Food grade synthetic PAO gear oil, protects against wear and corrosion. High oxidation stability extends oil life, and demulsification properties ensures any water can be easily separated. Ideal for use in the food, drink, pharmaceutical and processing, packaging industries requiring food grade products.

### USER BENEFITS:

- Excellent adhesive properties ensures a high degree of water resistance protecting parts from corrosion even in the presence of acidic materials commonly associated with the food and drinks industries.
- High viscosity index provides excellent thermal stability for extended service intervals.
- Demulsification properties ensure total separation of water from oil.

### PERFORMANCE PROFILE:

- All ingredients are FDA listed. The Millfood Chain and Gear Oil range are NSF H1 registered and meet USDA 1998 H1 guidelines.
- These products contain no genetically modified ingredients and do not contain any nut oil or derivatives.

### TYPICAL CHARACTERISTICS:

Appearance Clear Adhesive Fluid  
Base Fluid Polyalpholefin

Millfood Gear Oil	150	320
Specific Gravity @ 15°C	0.870	0.870
Kinematic Viscosity @ 40°C	150cSt	320cSt
Pour Point (°C)	-39	-39
Flash Point (°C)	210	200
Temperature Range (°C)	-30 to +200	-30 to +240
Demulsibility (ASTM D1401) 30 min	40-37-3	40-37-3
Foaming (ASTM D892) After Settling Sequence 1	Nil	Nil
After Settling Sequence 2	Nil	Nil
After Settling Sequence 3	Nil	Nil
Copper Corrosion (ASTM D130)	1b	1b
FZG Gear Test Stage	11	11
Evaporation Loss 6.5 hrs @ 250°C, % Mass	5.0	4.0
NSF Registration Number	125901	125902
Health & Safety/Product Code	5679	5680



INDUSTRIAL



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## HEALTH AND SAFETY:

Health and Safety Data Sheet numbers above relate to the products listed. When used for the purpose recommended and with due regard to the appropriate Health and Safety Data, the product should cause no concern. If in doubt, consult with Millers Oils Technical Department.

For Technical assistance call +44 (0) 1484 475060 or email [technical@millersoils.co.uk](mailto:technical@millersoils.co.uk)



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