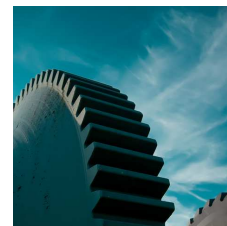


# MOLYDUVAL

## Prometheus A 00 LP



### Synthetic Gear Grease

A fully synthetic, PAO based very high dutied lubrication grease for high loaded gear boxes, bearings, and chains. Besides a good temperature stability it guarantees excellent wear protection and good lubrication for a long life time. It is suitable for many types of gear boxes including worm gears, many bearings, slideways and sliding surfaces. Based on modern Polyalphaolefines (PAO) it is also food grade and has in this application better lubrication and oxidation properties than greases based on pharmaceutical white oils or hydrocracks. In worm gears and other applications the seal aggressive polyglycols may be replaced.

### Properties

- \* good anticorrosive properties
- \* very good tackiness
- \* economic use
- \* suitable for centralized lubrication systems
- \* good oxidation resistance
- \* food grade - all components conform to USDA H1 or the FDA regulations for Lubricants in incidental food contact
- \* very good water resistance
- \* contains high viscosity base fluid
- \* low friction coefficient
- \* low working temperature caused by low friction
- \* good pumpability in many types of lubrication systems even at low temperatures

### Applications

- \* for gear boxes in food industry
- \* for gears and bearings in flight safety equipment, control dvices in aeronautics
- \* for industrial gears and thread spindles running slowly but loaded heavy
- \* for bowden cables
- \* for chains, drive and transport chains, in conveying machines, pasteurize plants, sorting stations, peelers, packing and labelling machines, shrinking tunnels

### Technical Datas

Color		beige
Consistency Class NLGI		00
Name		GHC00G-40
Base Fluid		PAO
Name		ISO-L-XDBFA00
Density 15°C	kg/m <sup>3</sup>	900
Viscosity Base Fluid, 40°C	mm <sup>2</sup> /s	600
Water Resistance Static	Grade	1-90
Temperature Range	°C	-40 -> +120
Oxidation Resistance	kPa	< 35
Dropping Point	°C	140
Corrosion Protection Kupfer		1-100
Flow pressure -30°C	hPa (mbar)	80

*The indicated service temperatures are guide values depending on the lubricants composition and on the application. They may vary in case of special influences or ongoing use.*

For further information, please see our website [www.molyduval.com](http://www.molyduval.com) or consult your local representative.

The content of this manual is based on our current knowledge and experience in the development and manufacture of lubricants. Because of the complexity of tribological systems, the effect of our products depends on many parameters, which we cannot assess and which influence we cannot evaluate. For this reason general statements about the function of our products are not possible. The information in this manual, therefore, contains non-binding guidelines, which should give the technical trained reader information on possible applications. The information in this manual does not include property assurances or warranties or guarantees to the properties or suitability of this product in a specific application. Prior to its use it is absolutely necessary to test this product in the application to ensure that the product and its use is safe, economical and fully suitable. It should proceed with due diligence.

**NSF International / Nonfood Compounds Registration Program**

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December 5, 2005

Mr. Thomas Hanemann  
MOLYDUVAL VAN LAAR GMBH  
HALSKESTR. 6  
40880 RATINGEN, NRW  
GERMANY

RE: MOLYDUVAL® Prometheus A 00 LP  
Category Code: H1  
NSF Registration No. 137916

Dear Mr. Thomas Hanemann:

NSF has processed the application for Registration of **MOLYDUVAL® Prometheus A 00 LP** to the NSF Registration Guidelines for Proprietary Substances and Nonfood Compounds (2004), which are available at <http://www.nsf.org>. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements including FDA 21 CFR for appropriate use, ingredient and labeling.

**This product is acceptable as a lubricant with incidental food contact (H1) for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the compound must be removed from the equipment surface by washing or wiping, as required to leave the surface effectively free of any substance which could be transferred to food being processed.**

NSF Registration of this product is current when the NSF Registration Number, Category Code, and Registration Mark appear on the NSF-approved product label, and the registered product name is included in the current NSF White Book Listing of Nonfood Compounds at the NSF website (<http://www.nsf.org>). The NSF Registration Mark can be downloaded from the NSF website, at [http://www.nsf.org/business/about\\_NSF/nsf\\_marks\\_download.asp](http://www.nsf.org/business/about_NSF/nsf_marks_download.asp).

NSF Listing of all registered Nonfood compounds by NSF International is not an endorsement of those compounds, or of any performance or efficacy claims made by the manufacturer.

Registration status may be verified at any time via the NSF web site, at <http://www.nsf.org>. Changes in formulation or label, without the prior written consent of NSF, will void registration, and will supersede the on-line listing.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Carmen Grindatti'.

Carmen Grindatti  
NSF Nonfood Compounds Registration Program

Company No: N11182