



Technical Data Sheet

MIZAR SYNT 100

Description

MIZAR SYNT 100 is a high-performance PAO synthetic oil specifically formulated for food, pharmaceutical and cosmetic industry. This product is formulated in accordance with FDA 21 CFR 178.3570, is NSF H1 certificated and corresponds to HALAL specifications.

Use / application

MIZAR SYNT 100 is particularly suitable for the lubrication of vacuum pumps, compressors and compressor units. It also finds application in circulating lubrication of moderately loaded gears, cams and base bearings of automatic machines.

Properties

- extremely resistant to oxidation and aging;
- excellent EP and anti-wear properties;
- very good demulsifying characteristics;
- outstanding protection against corrosion;
- perfect compatibility with mostly used elastomers;
- significantly reduced foaming.

Specifications

DIN 51524-3 (HVLP)

Technical Data

Density at 20°C	ASTM D4052	g/cm ³	0.840
Viscosity at 40°C	ASTM D445	mm ² /s	100
Viscosity at 100°C	ASTM D445	mm ² /s	13.2
Viscosity index	ISO 2909		130
Flash point (COC)	ASTM D92	°C	247
Pour Point	ISO 3016	°C	-52
Corrosion protection (steel)	DIN 51355		0-A
Copper corrosion	ASTM D130		1
Demulsibility	ASTM D1401	ml	40/40/0 20min.
FoamingTendency I-III (24°C/93,5°C/24°C	ASTM D892	ml	0/0/0
FZG Test (A/8.3/90)	ASTM D5182	stage	11



February 13, 2019

Dr. Ivo Cordioli
Nils Spa/AG
Bahnhofstrasse 30
39014 Burgstall
Italy

RE: Mizar Synt 100
Category Code:H1
NSF Registration No.158866

Dear Dr. Ivo Cordioli:

NSF has processed the application for Registration of **Mizar Synt 100** to the *NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds* (2017), which are available upon request by contacting NonFood@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 review.

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 Mark and Category Code 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 (www.nsfwhitebook.org).

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 website, at www.nsfwhitebook.org. Changes in formulation or label, without the prior written consent of NSF, will void Registration, and will supersede the on-line listing. Please contact your NSF Project Manager or nonfood@nsf.org if you have any questions or concerns pertaining to this letter.

Sincerely,

Carolyn Gilliland
NSF NonFood Compound Registration Program
Company No: N11242