



Technical Data Sheet

MIZAR 46

HLP hydraulic food-grade fluid ISO VG 46

Description

MIZAR is hydraulic food grade fluid formulated on highly refined base oils and high performance additives. This product is absolutely harmless in case of accidental contact with food, beverage, drugs or feedstuff. MIZAR is formulated in accordance with FDA 21 CFR 178.3570 and is certificated NSF H1. MIZAR complies with BRC issue 7.

Use / application

MIZAR is suitable for all types of hydraulic systems used in food, pharmaceutical and cosmetic industry and provides, due to its particular formulation, excellent anti wear properties, resistance to oxidation and outstanding protection against corrosion ensuring at the same time perfect efficiency of the hydraulic system. MIZAR corresponds to HLP standard in accordance with DIN 51524/T2 specification.

Properties

- excellent anti-oxidation and ageing resistance
- outstanding EP and anti-wear characteristics
- very good water separation behaviour
- very good anticorrosive properties
- perfect compatibility with most commonly used sealing materials
- excellent anti-foaming performance

Technical Data

ISO Viscosity class			46
Density at 15°C	ASTM D4052	g/cm ³	0.86
Viscosity at 40°C	ASTM D445	mm ² /s	46
Flash point (COC)	ASTM D92	°C	> 200
Pour Point	ISO 3016	°C	-15
Corrosion protection (steel)	DIN 51355		0-A
Copper corrosion	ASTM D130		1
FZG Test (A/8.3/90)	ASTM D5182	stage	11



NSF International / Nonfood Compounds Registration Program

November 8, 2001

NILS Italia GmbH
Attn: Dr. Ivo Cordioli
Bahnhofstraße 28
I-39014 Burgstall
ITALY

RE: MIZAR 46
Category Code: H1
NSF Registration No. 123829

Dear Dr. Ivo Cordioli:

NSF has processed the application for Registration of **MIZAR 46** to the *NSF Registration Guidelines for Proprietary Substances and Nonfood Compounds (2000)*, which are available at www.nsf.org/usda. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements for appropriate use, ingredient review and labeling verification.

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.

This product is NSF Registered when the NSF Registration Number, Category Code, and Registration Mark appear on the NSF approved product label. The NSF Registration Mark can be downloaded from the NSF website, at http://www.nsf.org/mark/download_marks.html.

Registration of compounds by NSF International is in no way to be construed as an endorsement of the compounds, appropriate selection for use, or of any performance or efficacy claims made by the manufacturer.

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

Sincerely,

Alice Edmunds

Alice Edmunds
NSF Nonfood Compounds Registration and Listing Program