



Technical Data Sheet

FOOD TTF

EP food grade lubricant grease

Description

FOOD TTF is an EP food grade lubricant grease, based on aluminium complex thickener, synthetic base oil and particularly developed additive package.

Use / application

FOOD TTF is suitable for the lubrication of rolling bearings and plain bearings exposed on particularly low and/or high working temperatures even in presence of water and humidity. FOOD TTF is harmless lubricant and, therefore, recommended for lubrication of machinery in foodstuff, pharmaceutical and cosmetic industry. FOOD TTF is certificated NSF H1. FOOD TTF is suitable for all types of applications where high performance food grade lubricant with particular resistance to water, humidity and mechanical load is required. This product is ideal for frozen food industry, shockers, ice cream production lines and similar applications where lubricant is exposed to particularly low working temperatures and where a contact between food and lubricant is often technically inevitable or cannot be fully excluded.

Properties

- certificated NSF H1
- suitable for use on very low working temperatures
- excellent oxidation resistance
- elevated mechanical load resistance
- not soluble in water
- outstanding adhesiveness

Specifications

KPFHC 2 P-40

Technical Data

Thickener			alu-complex
Classification	DIN 51502		KPFHC 2 P-40
NLGI consistency class			2
Working temperature		°C	-45/+160
Short time admissible temperature peak		°C	200
Drop point	ISO 2176	°C	> 250
Corrosion protection (Emcor Test)	DIN 51802	degree	0-0
Worked penetration	ISO 2137	1/10 mm	265/295
Base oil viscosity at 40°C	ASTM D445	mm²/s	350
Water resistance	DIN 51807 T1	degree	0-90



NSF International / Nonfood Compounds Registration Program

November 5, 2001

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

RE: FOOD TTF
Category Code: H1
NSF Registration No. 123769

Dear Ivo Cordioli:

NSF has processed the application for Registration of **FOOD TTF** 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,

A handwritten signature in dark ink, appearing to read 'Alice Edmunds', with a stylized, cursive-like script.

Alice Edmunds
NSF Nonfood Compounds Registration and Listing Program