



Technical Data Sheet

FOOD

Universal food grade grease NLGI 2

Description

FOOD is a non-toxic harmless lubricant grease developed in order to cover almost completely lubrication needs in foodstuff and pharmaceutical industry. FOOD is light-yellow grease, odourless, tasteless and was specially formulated and developed in order to be completely harmless in case of accidental contact with foodstuff. This product is formulated in accordance with FDA 21 CFR 178.3570, it is certificated NSF H1 and corresponds to HALAL and KOSHER specifications. This product exceeds KTW requirement of DVGW for use on potable water taps and valves. This product complies with BRC Global Standard for Food Safety issue 7.

Use / application

FOOD is suitable for rolling and plain bearings lubrication even if operating under heavy working conditions. Its mechanical stability and excellent adhesiveness assure optimal lubrication, its water repellence and anti-corrosive properties provide outstanding protection of lubricated parts. FOOD is ideal for lubrication of machinery and plants used in production of foodstuff, medicines, beverages, cosmetics and feedstuff. FOOD can be used also in waterworks and in every application where the lubricant could get in touch with products used as ingredients for foodstuff production. FOOD is perfectly compatible with rubber, nylon, Teflon®, Viton, silicone, neoprene and other gasket materials.

Properties

- certificated NSF H1
- very good mechanical stability
- water resistance
- outstanding adhesiveness
- excellent anti-corrosive properties
- oxidation resistance

Specifications

K 2 N-20

Technical Data

Thickener			alu-complex
Classification	DIN 51502		K 2 N-20
NLGI consistency class			2
Working temperature		°C	-20/+140
Short time admissible temperature peak		°C	180
Color			light yellow
Drop point	ISO 2176	°C	> 250
Corrosion protection (Emcor Test)	DIN 51802	degree	0-1
Worked penetration	ISO 2137	1/10 mm	265/295
Base oil viscosity at 40°C	ASTM D445	mm²/s	160
Water resistance	DIN 51807 T1	degree	0-90



NSF International / Nonfood Compounds Registration Program

October 29, 2001

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

RE: FOOD
Category Code: H1
NSF Registration No. 123765

Dear Ivo Cordioli:

NSF has processed the application for Registration of **FOOD** 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 black ink, appearing to read 'Alice Edmunds', with a stylized flourish at the end.

Alice Edmunds
NSF Nonfood Compounds Registration and Listing Program