



Technical Data Sheet

FOOD CUBE

Special Food Grade Grease NLGI 2

Description

FOOD CUBE is a non-toxic EP lubricating grease based on high viscosity white medicinal oil and viscosity and aluminium complex soaps.

Use / application

FOOD CUBE finds application on rolling and plain bearings at high temperatures and high and/or impulsive loads. FOOD CUBE is harmless to health, making it suitable for the lubrication of industrial machinery in the food, pharmaceutical, feed and packaging industries, where contact between the lubricant and the foodstuff is plausible or unavoidable. FOOD CUBE is particularly suitable for the lubrication of roller bearings of cubing machines in the production of zootechnical feed and has long been used successfully on the machines of best-known manufacturers. FOOD CUBE combines mechanical reliability with toxicological safety, as it is free of heavy metals, dioxins and other harmful substances. Its longevity and mechanical stability make it possible to reduce consumption and maximise bearing lifespan, thereby optimising maintenance costs. FOOD CUBE is a product formulated according to FDA 21 CFR 178.3570, NSF H1 certified and meets HALAL and KOSHER specifications. The product complies with BRC version 7.

Properties

- can also be used at high temperatures
- resistant to oxidation
- extremely resistant to mechanical stress
- water-resistant
- good anti-corrosive qualities / good adhesive power
- pumpable in centralised systems

Technical Data

Classification	DIN 51502		KP 2 N-20
NLGI consistency class			2
Working temperature		°C	-20/+140
Short time admissible temperature peak		°C	+180
Drop point	ISO 2176	°C	> 250
Corrosion protection (Emcor Test)	DIN 51802	degree	0-1
Four-ball test (welding load)	ASTM D2596	N	3200
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



Nonfood Compounds
Program Listed

NSF International / Nonfood Compounds Registration Program

June 7, 2016

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

RE: FOOD CUBE
Category Code: H1
NSF Registration No. 148124

Dear Dr. Ivo Cordioli:

NSF has processed the application for Registration of **FOOD CUBE** to the NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds (2013), 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 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 (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 Compounds Registration Program

Company No: N11242