

Schweinfurt 23/08/2016

# Heizmann

**Material Specification Sheet:  
Stainless steel deep groove ball bearings VP311 range**

We hereby confirm the material of the stainless steel deep groove ball bearings of the VP311 "Food Range":

Rings:	Stainless steel X65Cr13
Balls:	Stainless steel X105CrMo17
Cage:	Pressed stainless steel X5CrNi1810
Seal rubber:	Blue Nitrile Rubber(NBR) tested according to FDA (CFR 21 section 177.2600 for 'Rubber articles intended for repeated use' for use in contact with aqueous and fatty foods) and EC (conformity to the overall migration requirements of the German BfR recommendations for food contact materials, recommendation XXI for category 3 materials) regulations
Seal backing plate:	Pressed stainless steel X5CrNi1810
Grease:	GFJ, optimized for typical food and beverage application conditions; registered by NSF as category H1



i.A. Thomas Kettner

PSD Product Manager

# VP311 compound specification sheet

(Compound version 025)

Date: 23.October.2015

Issued by: SKF-PSD

## **Compound properties:**

- Blue Nitrile Rubber (NBR)
- Nominal Hardness 70 HD (Range 65 – 75)
- Non-black mineral filler system
- Mixed on mill

## **Certificates:**

- **FDA** (CFR 21 section 177.2600 for 'Rubber articles intended for repeated use' for use in contact with aqueous and fatty foods)
- **EC** (conformity to the overall migration requirements of the German BfR recommendations for food contact materials, recommendation XXI for category 3 materials)

## **Temperature range tested:**

- Low -48 °C (required -20°C)
- High +97 °C (required +95°C)
- Peak +125 °C (required +125°C)

## **Grease compatible:**

- GFJ



Nonfood Compounds  
Program Listed

May 30, 2014

Dr. Ugo Giulio Moretti  
SKF INDUSTRIE S.p.A.  
Via dell'Arcivescovado n°1  
Torino (TO) 10121  
Italy

RE: GFJ  
Category Code: H1  
NSF Registration No. 149784

Dear Dr. Ugo Giulio Moretti:

NSF has processed the application for Registration of **GFJ** to the NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds (2009), which are available at [www.nsfwhitebook.org](http://www.nsfwhitebook.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.**

This letter is the only confirmation that the formulation complies with the NSF Guidelines. At your request, the product will not be listed on the NSF website. The product's Registration can be verified by contacting NSF directly. Distributors' brands can be sub-registered without disclosing the formulation by having distributors specify the NSF Registration Number in their applications.

NSF Listing of all Registered Nonfood compounds by NSF International is not an endorsement of those compounds, or of any performance or efficiency claims made by the manufacturer.

Changes in formulation or label, without the prior written consent of NSF will void Registration.

Sincerely,

Amanda Phelka  
NSF Nonfood Compounds Registration Program

Company No: C0194805