

241245903

**FOODCARE® CALX GREASE 2**

**K2K-30**

FOOD GRADE EXTREMELY WATER-RESISTANT ACID AND LYE-RESISTANT GREASE

## DESCRIPTION

Whenever there is a potential risk of a lubricant contaminating food products, the risk must be made manageable by means of the HACCP method. This may be achieved by application of FoodCare® CALX Grease 2 which satisfies the legal standards. The lubricant meets the following norms:

1. Code of Federal Regulations 21 CFR 178.3570
2. NSF H1
3. See for registration <http://www.nsf.org/usda/psnclistings.asp>
4. Compliant with ISO 21469.

FoodCare® CALX Grease 2 is a universal lubricant meeting the same high requirements as good EP lubricants. FoodCare® CALX Grease 2 may be utilised at all places where the lubricant may come into contact with food products.

## COMPOSITION

FoodCare® CALX Grease 2 is composed of synthetic basic oil, an anhydric calcium thickener, corrosion inhibitors and polymers for optimal adhesion of the lubricant. The innovatively applied polymer chemistry has the following result: A high quality grease with exceptional water-resistant properties, suitable for incidental contact with food products. All ingredients have been approved under the Food Additive Regulation 21 CFR 178.3570.

Suitable for incidental contact with food products, this lubricant enables you to succeed in controlling contamination caused by toxic physical and chemical substances. In this way, all the requirements of the HACCP concept are met.

## PROPERTIES

- Food grade: may incidentally come into contact with food products;
- Strong metal affinity;
- Strongly water resistant, also resistant to steam and hot water;
- Suitable for a broad temperature range;
- High mechanical stability, resulting in a long lifespan of the grease;
- Acid and lye-resistant;
- Mechanically stable, long lifespan;
- Full wear protection;
- Resistant to temperatures from +120°C, peaks at +125°C;
- Excellent corrosion protection;
- Tacky, strongly adhesive.

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## APPLICATIONS

- Universal extremely water-resistant lubricant for the food industry;
- Sleeve and roller bearings functioning at an operating temperature range from -30°C to +120°C;
- All types of bearings functioning under extremely wet conditions;
- Automatic lubrication equipment;
- Grease-lubricated chains and bearings in sterilisers;
- Sliding surfaces, rotating or supporting points, various levers;
- At all places where hygiene is essential and where the grease may come into contact with food products.

## SPECIFICATIONS

		Method
<b>NLGI class</b>	<b>2</b>	
Colour	Yellow-white	Visually
Basic oil type	Synthetic	
Viscosity basic oil, mm <sup>2</sup> /s 40°C 100°C	610 73	ISO 12058
Intrinsic weight, 20°C, approx.	0,9	IPPM-CS/03
Thickener type	Anhydrous calcium	
Temperature range of application, °C Peak	-30 to +120 +125	
Drop point, °C	> +140	IP 396
Kneaded penetration 60 strokes, mm/10	265-295	ISO 2137
4-ball EP test, weld load, N	2000	DIN 51350:4
Dn value, (nxDm)	10.000	
Water resistance	0-90	DIN 51807/1
Corrosion inhibition, value	Pass	ASTM D1743
Oil separation test, 168 h, 40°C, %	2,5	IP 121
NSF registration number	144783	

\* NSF H1 registration available upon request.

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