



High Performance Lubricants



SPECIAL LUBRICANTS F O O D I N D U S T R Y





IKV TRIBOLOGIE designs and manufactures top performance lubricants that conform perfectly to the most demanding specifications for the widest variety of industrial applications.

Positioning itself for special lubrication engineering products required for advanced and demanding technical applications, **IKV TRIBOLOGIE** has an efficient laboratory where our team of engineers, chemists and technicians apply their innovative talents and their know-how to support our customers in their search for maximum performance, reliability of production, of materials and in high quality of products.

IKV TRIBOLOGIE recommends the most suitable product for every possible need: special oils and greases, pastes, aerosols and dry film coatings.

MANUFACTURING

IKV TRIBOLOGIE services are reputed for their fast response and their capacity to develop products which have performances adapted to new challenges. This thanks to:

- ▶ a high degree of flexibility which allows the manufacture of products adapted to single batch productions from 50 to 5,000 kg, which meet the rhythms of client demands and short lead times.
- ▶ the methods and techniques for homogenizing, milling and blending that assure the manufacture of top quality oils, greases and friction reducing coatings,
- ▶ a wide range of synthetic or mineral raw materials reputed for being physiological safe and environmentally friendly, recognised as well for their tribological and electrical properties and their suitability for use with plastics and rubbers and other materials...



RESEARCH AND DEVELOPMENT

IKV TRIBOLOGIE focuses on research and development in order to respond as quickly as possible to the needs of the market and its customers.

IKV TRIBOLOGIE devotes a large part of its resources to development and participates actively in the technological and environmental developments of the future.



QUALITY AND SAFETY

Each IKV product is rigorously tested according to standardised technical procedures to ensure that it meets the quality and performance requirements expected by customers and the health, safety and environmental requirements in force.





A major player in the design and manufacture of high-tech lubricants for more than 20 years, **IKV TRIBOLOGIE** has a wide range of special oils and greases specifically developed both for the Food and associated industries.

Our lubricant programme is in full agreement with the international standard ISO/DIS 14159, according to which it recommends ONLY the use of Food Grade lubricants in all mechanical and process applications on a Food production site in order to avoid any possible process errors or accidental contamination with non-Food Grade lubricants.

IKV TRIBOLOGIE Food Grade lubricants range fully satisfy the industry requirements domestic regulations for non-toxic, Food-safe products with certification under National Sanitary Foundation NSF H-1 register (previously USDA H-1) which provides for incidental food contact (technically unavoidable) all areas of the Food manufacturing and handling processes. All of the specific components in our Food grade lubricants fully meet the composition and purity requirements as listed under the F.D.A. Code of Federal Regulations in Title 21 CFR 178.3570.



Following recent studies by the European Commission on potential dangers to human health, in relation to hydrocarbon mineral oils or any other lubricant type falling under MOSH and MOAH classification coming into contact with foodstuffs, IKV TRIBOLOGIE is taking preventive action in consideration of the health and safety of its customers and employees by eliminating any product that may contain these substances. Since July 2021 all NSF certified IKV lubricants also have Halal and Kosher certification. IKV Tribology is committed to meeting the highest standards and technical requirements of its customers.



WITHOUT
SUBSTANCES
ANIMALS &
ALLERGENS



With exceptional chemical and physiological resistance over wide temperature ranges and very high temperatures, under high loads, and in the presence of steam, water and process agents, **IKV TRIBOLOGIE** Food Grade lubricants give you the solutions to the many specific challenges of the Food Industry.



OILS



▶ FLUORINATED FLUID



References	Properties	Typical applications
ZAROX® OYN 51 IKV-FLUOR 32 IKV-FLUOR 70 IKV-FLUOR 150 IKV-FLUOR 250	Fluids with high thermal and chemical inertia for very long lubrication frequencies. Compatible with most plastics and rubbers, including EPDM.	Oven and Dryer chains. Used for continuous temperatures up to 260°C.
<i>IN DISPERSION :</i> IKV-TRIBOFOOD KYN 510-80		

▶ SILICONE OILS



References	Properties	Typical applications
IKV-TRIBOFOOD MHL 300	Silicone oil with a very high viscosity index, a high resistance to extreme temperatures and excellent water resistance. Compatible with most plastics and rubbers, including EPDM.	Lubrication of roller bearings, plain bearings, bushes, chains and lightly loaded rollers, in particular for plastic components even under severe thermal conditions. May be used as a damping fluid, heat transfer agent, or as a lubricant coating for plastics and elastomers.



▶ WHITE OILS



References	Properties	Typical applications
IKV-FOOD GLIDE 3H/22 IKV-FOOD GLIDE 3H/68	Highly refined and high purity Food Grade oils with very high viscosity index. They have very low pour points (well below freezing temperatures) and high shear resistance.	Recommended for use as general lubricating oils for rollers bearings, plain bearings, guides and bushes, chains and for use in compressed air/oil pneumatic installations.

▶ HIGH TEMPERATURE CHAIN OILS

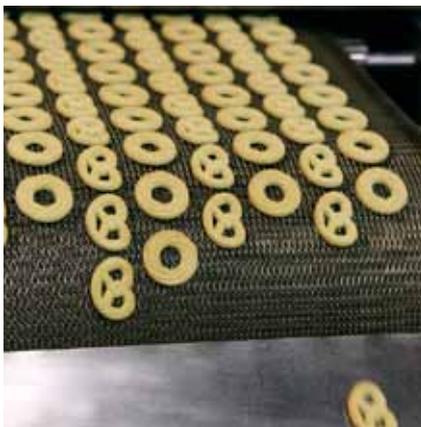


References	Properties	Typical applications
IKV-TRIBOFOOD CHN 32 SDS IKV-TRIBOFOOD CHN 110 SDS IKV-TRIBOFOOD CHN 320 MT	Synthetic oils for the lubrication of chains up to temperatures of 200-220°C. These oils have high resistance to loads, are very adhesive and do not drip.	Suitable for the lubrication of all types of industrial transport chains and chains for ovens and dryers, batch, spiral and tunnel systems.
IKV-TRIBOFOOD CHN 220 HTLR IKV-TRIBOFOOD CHN 300 HTLR IKV-TRIBOFOOD CHN 300 HTBN		

► GEAR OILS



References	Properties	Typical applications
IKV-TRIBOFOOD GBX 100 IKV-TRIBOFOOD GBX 150 IKV-TRIBOFOOD GBX 220 IKV-TRIBOFOOD GBX 320 IKV-TRIBOFOOD GBX 460	Semi-synthetic oils, they have an excellent resistance to very high loads.	Gear oil lubricants ideal for classic gears, worm gears and also bearings and chains. May be used as general circulatory and lubricating and machine oils. Mainly recommended for the lubrication of the gears, reducer and worm gears, splash lubrication of bearings circulatory systems. Very clean oils and significantly reduce energy consumption.
<u>POLYALFAOLEFINE OILS :</u> IKV-TRIBOFOOD GBX 100 SHC IKV-TRIBOFOOD GBX 150 SHC IKV-TRIBOFOOD GBX 220 SHC IKV-TRIBOFOOD GBX 320 SHC IKV-TRIBOFOOD GBX 460 SHC IKV-TRIBOFOOD GBX 680 SHC 	High performance synthetic oils which have excellent anti wear properties, high oxidation stability, very low pour points (well below freezing) and high shear resistance. Very stable viscosity: temperature properties.	
<u>POLYGLYCOLE OILS :</u> IKV-TRIBOFOOD GBX 150 PG IKV-TRIBOFOOD GBX 220 PG IKV-TRIBOFOOD GBX 320 PG IKV-TRIBOFOOD GBX 460 PG 		



► HYDRAULIC OILS



References	Properties	Typical applications
<u>WHITE OILS :</u> IKV-TRIBOFOOD HLQ 22 IKV-TRIBOFOOD HLQ 32 IKV-TRIBOFOOD HLQ 46 IKV-TRIBOFOOD HLQ 68	Oils with a low pour point (well below freezing temperatures), with a high viscosity index, high shear resistance, antifoaming with good de-gassing and demulsification properties. They have excellent protection against corrosion.	Hydraulic and general lubricating oils for roller bearings, plain bearings, bushes and guides, chains and pneumatic actuator systems.
<u>SYNTHETIC OILS :</u> IKV-TRIBOFOOD HLQ 22 SHC IKV-TRIBOFOOD HLQ 32 SHC IKV-TRIBOFOOD HLQ 46 SHC IKV-TRIBOFOOD HLQ 68 SHC 		Hydraulic and general lubricating oils for roller bearings, plain bearings, bushes and guides, chains and pneumatic actuator systems at temperatures from -40 to 150 ° C.

► SOLVENTS



References	Properties
IKV-SOLVALIM 60 IKV-SOLVALIM SPRAY	Cleaning and/or degreasing solvent for use in nonprocessing areas.

► MAINTENANCE PRODUCT AND AEROSOLS



References	Properties
IKV-DEBLOCK FG	Protects from humidity, corrosion and lubricates.
IKV-FOOD GLIDE SPRAY	Multifunctional white oil.
IKV-TRIBOFOOD ASP-2	Grease suitable for the lubrication of mechanisms and bearings subjected to high temperatures with speed factors of approx. 5 x 10e5, in the presence of water and under high loads.
IKV-TRIBOSIL SPRAY 	Silicone oil for mechanisms in the presence of water and extreme temperatures. Has excellent release properties.
IKV-FLUOR LIQ	Dry lubricating oil based on PTFE. Provides excellent lubrication capability and reduces friction between moving surfaces.
IKV-MULTIUSAGE 1794 FG	Convenient for mechanisms undergoing only few movements and for which separation of the elements which compose them is necessary in particular to avoid that parts collide under the influence of vibrations for example.



GREASES

► HIGH TEMPERATURE FLUORINATED GREASES



References	Properties	Typical applications
IKV-TRIBOFLON® MYA 32 FG IKV-TRIBOFLON® MYA 62 FG IKV-TRIBOFLON® MYA 142 FG IKV-TRIBOFLON® MYA 242 FG IKV-TRIBOFLON® MYA 502 FG ZAROX® C-2005	Special fully synthetic oils with very high temperature and chemical resistance for very long lubrication intervals. Compatible with almost all plastics and rubbers, including EPDM.	Bearings and bushes for wafer moulds and trolley waffle moulds, bearings in ovens and dryers. Useful also for temperatures above 260°C.



► SILICONE GREASES



References	Properties	Typical applications
with POLYTETRAFLUORETHYLENE : IKV-TRIBOSTAR® SSI 1203 TF* IKV-TRIBOFOOD STF 852/3 IKV-TRIBOFOOD STF 1003 	Silicone grease-like pastes with excellent resistance to extreme temperatures, water, steam and to various chemical agents. Compatible with most plastics and rubbers.	Lubricating pastes for tap/valve faucets and for the lubrication of processing seals for temperatures from -40°C to 180°C.
IKV-TRIBOSIL VH-2 		

► CALCIUM SULFONATE GREASES



References	Properties	Typical applications
SYNTHETICS GREASES : IKV-TRIBOFOOD PSC 32 IKV-TRIBOFOOD PSC 401 IKV-TRIBOFOOD PSC 401/2 IKV-TRIBOFOOD PSC 402 	Synthetic greases, physiologically inert and suitable for use over a wide temperature range. They have an excellent resistance to hot or cold water and cleaning agents. Formulated with white solid lubricants to give a very high resistance to loads. They also have excellent protection properties against corrosion.	These greases are used in slaughterhouses, canneries, dairies, breweries, bottling plants, food preparation or food packaging plants. Also used in bearings (e.g. for can seamers), conveyor rollers, seals, enclosed gears and valves. Grade 0 is indicated for installations with central lubrication. According to the product, the working temperature range covered can be from -50 to 180°C. IKV-TRIBOFOOD WSC 100 is suitable for central lubrication systems or enclosed gears due to its' fluid consistency in NLGI grade 0.
SEMI-SYNTHETICS GREASES : IKV-TRIBOFOOD WSC 222 IKV-TRIBOFOOD PSC 322		
MEDICINAL GREASES : IKV-TRIBOFOOD WSC 100 IKV-TRIBOFOOD WSC 101 IKV-TRIBOFOOD WSC 102		



► **TRANSLUCENT GREASE**



References	Properties	Typical applications
IKV-FOOD GLIDE WSI 92	Graisse de qualité alimentaire supérieure, non toxique résistante à l'eau, à l'usure et à la corrosion, disposant d'une plage de température de fonctionnement de -20 à 120°C.	Convient pour les mélangeurs, les éplucheurs, les trancheuses et les cubeuses. Elle peut être utilisée aussi comme un agent de démoulage sur grilles, les fours, les moules à pain, les bancs de désossage, les planches à découper en contact avec les aliments.

► **GREASES BASED ON COMPLEX SOAP**



References	Properties	Typical applications
<p><u>MEDICINAL GREASES :</u></p> <p>IKV-TRIBOFOOD MAK 100 IKV-TRIBOFOOD MAK 101 IKV-TRIBOFOOD MAK 102 IKV-TRIBOFOOD WCK 151/2</p> <p><u>SYNTHETICS GREASES :</u></p> <p>IKV-TRIBOFOOD PAK 151/2 IKV-TRIBOFOOD PAK 152/3</p>	Synthetic greases, physiologically inert and suitable for use over a wide temperature range. They have an excellent resistance to hot or cold water and cleaning agents and a very high resistance to loads.	Lubrication of bearings subject to high loads such as Pellet presses, crimping wheels, conveyor rollers, labyrinth seals, bushes & joints, bearings in freezers, taps and valves etc for operating temperatures from -40°C to 150°C.

► **MOUNTING PASTE**



References	Properties	Typical applications
<p><u>SYNTHETICS GREASES :</u></p> <p>IKV-TRIBOPASTE PSI 202 FG</p> <p><u>SEMI-SYNTHETICS GREASES :</u></p> <p>IKV-TRIBOFOOD WSI 402 TFL</p>	Paste based on synthetic oils and white solid lubricants resistant to water and loads.	For bearings, plain bearings, open gears, valves in the presence of water, from -40 ° to 1000 ° C for IKV-TRIBOPASTE PSI 202 FG and from -20 ° to 150 ° C for IKV-TRIBOFOOD WSI 402 TFL.



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