

*EXPERTS IN
LUBRICANTS*



**FOOD & PHARMACEUTICAL
INDUSTRY**



NILS EXPERTS IN LUBRICANTS



*An independent, dynamic
and innovation-oriented
family business.*



*A company from South
Tyrol with a global vision,
operating worldwide.*



FOR 50
YEARS THE
WORLD RUNS
SMOOTHLY
WITH NILS

WE PRODUCE
HIGH-QUALITY
LUBRICANTS TO
GUARANTEE MAXIMUM
PERFORMANCE IN ALL
WORKING CONDITIONS.



A true partner you can trust to find custom-made solutions.



A team of 250 professionals who put the customer at the heart of their work.



Efficiency, innovation and quality are in our DNA.

CHOOSING **NILS**, MEANS CHOOSING QUALITY

Choosing NILS means investing in your company. Our 360° consultancy allows you to define the best product according to your needs.

WHY CHOOSING QUALITY?



LESS DOWNTIME,
REPAIR AND SPARE
PARTS



FEWER TOP-UPS AND
LONGER OIL CHANGE
INTERVALS



LOWER ENERGY AND
FUEL CONSUMPTION



EFFICIENCY AND ECONOMY



MAXIMUM SAFETY WITHOUT WAIVING QUALITY

QUALITY PRODUCT



FOOD CERTIFICATION

Product quality and image are priorities for a modern company. By choosing a NILS FOOD lubricant, you can be sure that you will always protect the health of your customers, the health of your operators, and the efficiency of your production processes thanks to lubricants that are safe in every respect. The NILS FOOD range is suitable for production environments with a HACCP system, complies with the latest BRC standards, and is certified for food and pharmaceutical use by major international institutions including NSF and 2probioty. It also meets HALAL and KOSHER requirements and certifications.



ISO 9001
QUALITY CERTIFICATION

ISO 14001
FOOD CERTIFICATION



QUALITY UNDER CONTROL



- ✓ MONITORING THE MACHINE'S EFFICIENCY
- ✓ REPORTING PROBLEMS OR IMPENDING BREAKDOWNS, THUS AVOIDING DAMAGE AND UNPLANNED DOWNTIME
- ✓ OPTIMIZING OIL CHANGE INTERVALS



MORE THAN A SUPPLIER

Through a team of technicians, specifically trained for the food and pharmaceutical sectors, we are able to:

- analyse each individual application to be able to provide the best solution for your needs
- map the points at risk of contamination, resulting in a customised lubrication plan
- organise customised training courses for your staff





GREASES & PASTES

FOOD NLGI 00 || 00 || 0 || 1 || 2

 APPLICATIONS
CHARACTERISTICS


PLUS



PLUS



PLUS



300.000*



PLUS

 PTFE
MOS2
SOLID
ADDITIVES

FOOD is a universal grease for the food industry available in different NLGI grades to meet all technical requirements. Ideal for the lubrication of rolling and sliding bearings even under difficult working conditions such as water and medium-high temperatures; easily pumpable in centralised systems and thanks to its persistence allows reduced consumption. It has demonstrated perfect compatibility with rubber seals, nylon, Teflon, Viton, silicone, neoprene, etc.

min. -20°C max. +140°C s.t. +180°C

thickner aluminium complex

SPRAY



AUTOLUB



FOOD HT NLGI 1

 APPLICATIONS
CHARACTERISTICS


PLUS



PLUS



PLUS



150.000*



PLUS

 PTFE
MOS2
SOLID
ADDITIVES

FOOD HT represents the maximal quality in lubrication evolution: complex aluminium soap, high-viscosity base oil, EP additives and carefully selected solid lubricants. FOOD HT is designed for the lubrication of rolling and sliding bearings at low and medium speeds under extreme operating conditions such as high loads, high operating temperatures, presence of water or steam, lack of seals, etc. and can also be used in central lubrication systems.

min. -20°C max. +140°C s.t. +180°C

thickner aluminium complex

FOOD TTF NLGI 00 || 2

 APPLICATIONS
CHARACTERISTICS


PLUS



PLUS



PLUS



300.000*



PLUS

 PTFE
MOS2
SOLID
ADDITIVES

FOOD TTF is a special synthetic lubricating grease based on aluminium complex soaps. It is suitable for the lubrication of rolling and sliding bearings working at low and high temperatures, even in the presence of water. Its effective additives protect against wear and corrosion and ensure extended relubrication times.

min. -45°C max. +160°C s.t. +200°C

thickner aluminium complex

AUTOLUB



FOOD SPEED NLGI 2

 APPLICATIONS
CHARACTERISTICS


PLUS



PLUS



PLUS



600.000*



PLUS

 PTFE
MOS2
SOLID
ADDITIVES

FOOD SPEED is a synthetic lubricating grease. The special chemical structure gives the product exceptional mechanical stability and load resistance even at low temperatures or high rolling speeds. FOOD SPEED finds application on all types of rolling bearings operating in a wide working temperature range. Thanks to its synthetic base oil with medium-low viscosity, it guarantees excellent lubrication for bearings operating at high speeds and/or under heavy loads.

min. -40°C max. +140°C s.t. +180°C

thickner calcium sulphonate

FOOD 4870 NLGI 2

 APPLICATIONS
CHARACTERISTICS


PLUS



PLUS



PLUS



300.000*



PLUS

 PTFE
MOS2
SOLID
ADDITIVES

FOOD 4870 is an EP lubricating grease based on aluminium complex soaps, white medicinal oil and solid PTFE additives, particularly suitable for the lubrication of rolling and plain bearings where an EP grease with low internal friction is required.

min. -20°C max. +140°C s.t. +180°C

thickner aluminium complex

FOOD BIO

NLGI 2

APPLICATIONS CHARACTERISTICS



PLUS



PLUS



PLUS



300.000*



PLUS

PTFE
MOS2
SOLID
ADDITIVES

FOOD BIO is a non-toxic and biodegradable lubricating grease, formulated to meet both the needs of the food chain and those of agriculture while guaranteeing respect for the health of the end consumer and the environment. FOOD BIO is suitable for the lubrication of all types of rolling and plain bearings, even under difficult environmental conditions (high humidity, very low temperatures). The mechanical stability guarantees optimal lubrication, water repellency and anti-corrosion capability such as good protection of the organs.

°C min. -40°C max. +100°C s.t. +110°C

thickner calcium

SPRAY



FOOD CUBE

NLGI 00 || 2

APPLICATIONS CHARACTERISTICS



PLUS



PLUS



PLUS



300.000*



PLUS

PTFE
MOS2
SOLID
ADDITIVES

FOOD CUBE is a thermostable EP lubricating grease based on high-viscosity oils and aluminium complex soaps. It finds application on rolling and plain bearings under high-temperature conditions and high and/or impulse loads. It is particularly suitable for lubricating the roller bearings of cube feeders in the production of animal feed, where it has been approved with an excellent performance by various machines of well-known manufacturers.

°C min. -20°C max. +140°C s.t. +180°C

thickner aluminium complex

POLYSYNT

NLGI 2

APPLICATIONS CHARACTERISTICS



PLUS



PLUS



PLUS



250.000*



PLUS

PTFE
MOS2
SOLID
ADDITIVES

POLYSYNT is fluorinated grease designed for the lubrication of bearings at extremely high temperatures and is chemically resistant to all solvents and aggressive substances. Physiologically harmless, odourless, tasteless. NSF H1 certified. Meets HALAL and KOSHER specifications. Ideal for lubricating bearings in bread ovens, pasta ovens, breadsticks, crackers, etc.

°C min. -40°C max. +260°C s.t. +290°C

thickner PTFE-polytetrafluoroethylene

VASELINA 3313

APPLICATIONS CHARACTERISTICS



PLUS



PLUS



PLUS



PLUS



PLUS

PTFE
MOS2
SOLID
ADDITIVES

VASELINA 3313 is a high-quality natural vaseline based on highly refined hydrocarbons with a paste-like consistency and is NSF H1 and 3H approved and complies with the purity specifications of the corresponding German health regulations (DAB 10) and current international standards (Phar. Eur.2). VASELINA 3313 is insoluble in water and has a neutral pH. As it is NSF 3H approved as a process fluid, it can be used as a non-stick agent in food and/or medicine production or as a lubricant, rust inhibitor, preservative, plasticiser, polish, sealing grease and for similar purposes.

SILIKON 1-2

NLGI 2

APPLICATIONS CHARACTERISTICS



PLUS



PLUS



PLUS



PLUS



PLUS

PTFE
MOS2
SOLID
ADDITIVES

SILIKON 1-2 is a semi-transparent grease based on high-quality silicone oils and is compatible with almost all elastomeric (except silicone) and polymeric (plastic) materials and is therefore suitable for lubricating seals, especially EPDM, plastic or rubbery parts. It is a product that can be used in a variety of fields, is easy to apply and also has strong electrical insulating properties.

°C min. -40°C max. +220°C

thickner gel

SPRAY



AUTOLUB



WE HAVE ALWAYS USED **FIRST-RATE REFINED BASES AND INNOVATIVE, HIGH-TECH ADDITIVES,** THUS MEETING YOUR EVERY NEED.





FOOD-GRADE OILS

RIPRESS SYNT FOOD

ISO VG 15 || 32 || 46 || 68 || 100

BASE OIL
PAO



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

RIPRESS SYNT FOOD are synthetic PAO oils which, thanks to their special formulation, are capable of operating under severe conditions at both high and low temperatures in mechanically highly stressed systems. The outstanding oxidation resistance and excellent thermal stability guarantee a long service life and reduced lubricant consumption. Depending on the required viscosity, and technical and temperature requirements, they are used on precision hydraulic systems, for the lubrication of circulation systems on rails and chains.

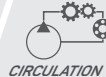
RIPRESS SYNT FOOD

ISO VG 150 || 220 || 320 || 460 || 680

BASE OIL
PAO



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

RIPRESS SYNT FOOD are synthetic PAO oils which, thanks to their special formulation, allow operation under severe conditions at both high and low temperatures in mechanically highly stressed systems. The exceptional oxidation resistance and excellent thermal stability guarantee long service life and reduced lubricant consumption. Depending on the required viscosity, and technical and temperature requirements, they are used on even heavily loaded gearboxes, in guideway systems, chains and compressors.

MIZAR

ISO VG 46 || 68

BASE OIL
white medicinal



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

MIZAR are hydraulic fluids formulated with extremely refined bases and high-performance additives designed to meet the requirements of all types of hydraulic systems in the food and pharmaceutical industries. Due to their formulation, anti-wear properties, oxidation resistance and excellent corrosion protection, they guarantee maximum system efficiency and are an HLP hydraulic fluid according to DIN 51524-2.

MIZAR SYNT

ISO VG 32 || 46 || 68 || 100

BASE OIL
PAO



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

MIZAR SYNT are PAO-based hydraulic fluids with high-performance additives designed to meet the requirements of all types of hydraulic systems in the food and pharmaceutical industries. Due to their formulation, anti-wear properties, resistance to oxidation and excellent corrosion protection, they are also used according to the required viscosity for the lubrication of chains, compressors and vacuum pumps.

CHAIN SYNT FOOD

ISO VG 32 || 220 || 460 || 1500

BASE OIL
PAO

NSF



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

A light-coloured, odourless chain lubricant based on fully synthetic oils. Optimally suited for the lubrication of all types of chains and guides in the food industry. The anti-wear properties significantly reduce wear even on stainless steel chains. Thanks to its special formulation it combines non-toxicity requirements with excellent lubricating properties and strong adhesion.

SPRAY



AUTOLUB



CHAIN FOOD HT

ISO VG 220

BASE OIL
synthetic ester

NSF



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

CHAIN FOOD HT is a fully synthetic high-thermal lubricant specially designed for the lubrication of chains especially when subjected to high working temperatures (up to 300°C), typical for bakery products. Thanks to its innovative formulation CHAIN FOOD HT can significantly reduce the wear and elongation of chains, even stainless steel chains. CHAIN FOOD HT does not drip and has excellent thermo-oxidative resistance, which gives it a very low vaporability and a residue or deposit formation close to zero.

AUTOLUB



OMB

ISO VG 15 || 68

BASE OIL
white medicinal

NSF



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

OMB is a light-coloured, odour- and taste-free process fluid formulated on the basis of low-volatile white medicinal oil. OMB is chemically and biologically stable, preventing the growth of bacterial colonies. OMB is NSF H1 and 3H approved and complies with the purity requirements of the corresponding German health regulations (DAB 10) and current international standards (Phar.Eur.2). OMB is used as a non-stick agent in food production stages, pasta, bread, etc., and is also used as a moulding and light-drawing fluid in the production and forming of cans for food packaging in general.

COMPRESS SYNT FOOD

ISO VG 32 || 46 || 68

BASE OIL
PAO

NSF



HYDRAULIC



CIRCULATION



TRANSMISSION



COMPRESSOR



CHAIN

COMPRESS SYNT FOOD are synthetic PAO-based oil specifically formulated in different viscosities to suit the lubrication of rotary screw and vane compressors. The special formulation with PAO base oil and a state-of-the-art additive package guarantees excellent oxidation resistance and thus ensures extended replacement intervals. COMPRESS SYNT FOOD exceeds VDL specifications according to DIN 51506.

SINTHERM OIL

ISO VG 350

BASE OIL
siliconic

NSF



HYDRAULIC



CIRCULATION



TRANSMISSION



DIATHERMIC



CHAIN

SINTHERM OIL is part of a range of silicone oils characterised by extreme purity and special physical properties. These are products with very low pour points and extremely high flash points. SINTHERM OIL has a very high viscosity index, high shear resistance, excellent high-temperature stability, minimal volatility and perfect water resistance. It finds application as a diathermic fluid in dedicated plants, guaranteeing particular longevity and very low residue formation, and is also used as a glide and release agent in the plastics industry.



SPRAY

FOOD GREASE 400ml

APPLICATIONS
CHARACTERISTICS



Universal, transparent and adhesive grease, ideal for lubricating roller and plain bearings, joints, chain drives, guides, etc. with extreme resistance to washout and exceptional anti-corrosion power.

min. -20°C max. +140°C

FOOD BIO 400ml

APPLICATIONS
CHARACTERISTICS



FOOD BIO is a non-toxic and biodegradable lubricating grease, formulated to meet both the needs of the food, pharmaceutical and agricultural supply chains, ensuring respect for the health of the end consumer and the environment. FOOD BIO is suitable for the lubrication of all types of rolling and sliding bearings, even in harsh environmental conditions. The mechanical stability guarantees optimal lubrication, the water repellency and anti-corrosion power good protection of the organs. NSF H1 certified.

min. -40°C max. +100°C



CHAIN FOOD 400ml

APPLICATIONS
CHARACTERISTICS



A light-coloured, odourless chain lubricant based on fully synthetic oils. It is optimally suited for the lubrication of all types of chains and guides in the food industry. The anti-wear properties significantly reduce wear even on stainless steel chains. Thanks to its special formulation it combines non-toxicity requirements with excellent lubricating properties and strong adhesion.

min. -40°C max. +150°C

PTFE SPECIAL OIL 500ml

APPLICATIONS
CHARACTERISTICS



PTFE



A universally applicable synthetic lubricant (PAO) enriched with PTFE. It penetrates deep into even the hardest to reach places, lubricating and protecting both metal and plastic surfaces. It is a water-repellent product that, when applied on the surface, creates a long-lasting protective film that shields the treated workpiece from moisture, acting as a protector and preventing corrosion. PTFE SPECIAL OIL, even dosed in minimum quantities, ensures optimal lubrication, reduces friction, eliminates squeaking, and prolongs the life of lubricated parts by not attracting dust.

min. -50°C max. +120°C

SINTHERM SILICON SPRAY

400ml

APPLICATIONS
CHARACTERISTICS



It is a protective, release and insulating lubricant for joints, chains, hinges and various mechanisms. It is a suitable product for the protection of rubber and plastic parts exposed to the weather or to temperatures from -60 to +250°C and can be used for waterproofing tops, ropes and facilitating the sliding of cables and ropes or as a sliding agent for cardboard, paper, plastics, etc. SINTHERM SILICON SPRAY is also used as a release agent in the extrusion and moulding of plastics and is indispensable for products destined for the food industry.

min. -60°C max. +250°C

SOLVENT FOOD

400ml

APPLICATIONS
CHARACTERISTICS



A multi-functional product, its penetrating action makes it ideal for loosening rust, rust encrustations and for loosening screws and/or bolts. SOLVENT FOOD is an NSF 3H-certified process fluid that can also be used as a protective dewatering fluid. The light lubricating film it leaves behind reduces wear and eliminates squeaking. SOLVENT FOOD is compatible with the most common materials used in the food and pharmaceutical industries, whether plastics, elastomers, paints or lacquers. It is also NSF H1 and H3 certified.

SPECIAL CLEANER

500ml

APPLICATIONS
CHARACTERISTICS



Universal cleaner ideal for practical and fast removal of oily residues, grease, scale, rust, wear and other dirt on machinery, gears and bearings. Leaves a perfectly dry and clean surface. Avoid heavy use on tyres and paints. NSF K1-K3 certified.

MULTI CLEANER SPECIAL FOAM

500ml

APPLICATIONS
CHARACTERISTICS



Food-approved 2probit A1 universal cleaner in foam form, ideal for cleaning glass, stainless steel, ferrous materials and plastics. Also suitable for cleaning polycarbonate surfaces, effortlessly removing dirt and leaving them streak-free.

REMOVE & CLEAN

500ml

APPLICATIONS
CHARACTERISTICS



It is a practical, food-grade certified spray for effortless removal of labels, glue and light dirt from all surfaces. It is A1 certified and can be used as a general cleaner.



MISCELLANEOUS

POLAR FOOD

POLAR FOOD is a permanent, biodegradable, monopropylene glycol-based antifreeze. It is characterised by the absence of amines, nitrites and phosphates in its inhibitor package. Due to its composition and technical properties, it is suitable for installations in the food industry and on refrigerator trucks. Thanks to its special additives, it ensures perfect anti-corrosion and anti-rust protection against all the metals that make up the various parts of the cooling circuit, especially aluminium. It limits foam formation and prevents cavitation wear.



ELEFANT

ELEFANT is a special sugar-dissolving oil formulated to remove sugar or starch residues adhering to surfaces and other parts of machinery or other production equipment in the food and pharmaceutical industries.



NYLSET T

NYLSET T is formulated with a new cleaning concept where effectiveness is combined with safety. It is a safe product for every situation and used in the prescribed dilutions does not alter painted, lacquered and enamelled surfaces, light alloys, plastic materials, or even the most sensitive such as plexiglass or polycarbonate. Foamrestrained, it is suitable for any industrial application including the food sector, complies with the H.A.C.P. standard and is over 90% biodegradable.



DETERGENTE 8171

DETERGENTE 8171 is suitable for cleaning heavily soiled and greasy parts of all kinds of machinery. It can also perfectly clean greasy parts such as bearings, gear wheels and all kinds of mechanical organs. It is compatible with all types of rubber, leaves treated parts perfectly dry and has a high evaporation rate. It contains no aromatic solvents. It meets the NSF K1 standard and has a high evaporation rate.

EASY CLEAN

EASY CLEAN is a Handwashing paste with high degreasing and cleansing power in different formats. It effectively cleanses hands of oils, grease and dirt in general, leaving the skin fragrant, smooth and soft. In the absence of water, practical wipes are also available in 80-piece cans.



THE PERFECT FORMULA

Technology, experience and expertise close to you.
Discover the advantages of choosing quality, starting with a NILS consultant.



ACCESSORIES

AUTOLUB

NILS AUTOLUB series are automatic grease guns and automatic lubrication systems in various solutions that allow constant and controlled dispensing of the lubricant oil or grease, without the need for manual lubrication of machinery or components by an operator. Available with various lubricants that are certified for H1 food-grade environments.



PNEUMATIC PUMPS

Wide range of pneumatic pumps for dispensing grease and lubricating oil. Various accessories are available from trolleys to digital guns, from hose reels to complex lubricant dispensing systems.



PORTABLE GREASE PUMPS

Manual grease pump with LS screw technology. In addition, a wide range of manual or battery-operated pumps is available for every need and ease of use.



NEBULIZER

Wide range of portable pneumatic devices for spraying cleaning liquids. Ideal for washing machines and tools or distributing protective agents. Particularly suitable for **NYLSET T**.



PARTS WASHER

Universal compressed air washing tank for quick cleaning of mechanical and general components. Includes washing brush and compressed air gun for drying. Particularly suitable for **DETERGENTE 8171**.



LUBRICANT STORAGE BASINS

Certified, watertight steel retention basins for standardized storage of lubricants. Available in various sizes and with different accessories.





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