

PROTEAN

Essential Nutrition for Industry



by **TGRIS**

Welcome to PROTEAN...

ADVANCED SOLUTIONS FOR THE FOOD INDUSTRY

PROTEAN, essential nutrition for industry, is a product range launched by TYGRIS to provide advanced solutions for the food industry. We have a wide range of high-quality food grade greases, oils, cleaners and more, each available in a selection of sizes to suit your needs.

Extensive research & development has gone into the range to provide fully compliant products.

Just as we need to maintain our own health by providing our bodies with essential nutrients, every food and drink manufacturer is also required to keep their machinery running smoothly and in optimum health. Here at TYGRIS, we looked carefully at existing food grade products available in the marketplace and spent time to research and develop a superior new range of advanced solutions. Thus, PROTEAN was born. Our dynamic range of advanced solutions for the food industry epitomises the meaning of PROTEAN in every true sense; versatile, flexible, adaptable, be it a lubricant for high or low temperatures, for use with fast, or slow-moving machinery or simply available in a variety of sizes.

All our products are NSF registered, with many products also Halal and Kosher certified. Helping customers to be audit compliant, and completely safe.

In addition we have the TYGRIS 4Life Guarantee on every PROTEAN product, and such approvals provide peace of mind to both TYGRIS distributors and end-users alike and confirms that our products are only manufactured from FDA listed ingredients which are free from animal derived materials, nut oils, soya, dairy and genetically modified ingredients.

Choose PROTEAN for all your essential Cleaning, Lubricating and Protecting needs and let's stay healthy together!

"If we were healthcare professionals, we'd prescribe PROTEAN"



PROTEAN

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PROTEAN AEROSOLS

Part of the Protean philosophy is making users lives easier. That’s why a wide selection of our food-grade products are available in a handy aerosol format. With a compact size and easy usage, these sprays are an essential part of the Protean range. From anti-rust agents to sticky label remover, these cans make application simple.



FAST DRY SOLVENT CLEANER

PROTEAN Fast Dry Solvent Cleaner is an NSF: K1 registered, fast drying solvent cleaner, powerful enough to dissolve away all types of workshop contaminants, leaving no residue and eliminating the need for rinsing.

Benefits:

- Effectively removes all types of contaminant;
- Fast drying and leaves no residue;
- Temperature range: -20°C to +65°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F400	400ml



WHITE GREASE

PROTEAN White Grease is an NSF: H1 registered, spray-formulated, water resistant lubricant - ideal for use on roller and needle bearings and chains. Suitable for use within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments.

Benefits:

- Effective to high temperatures;
- Water resistant - suitable where frequent washing down of equipment occurs;
- Protects against corrosion;
- Temperature range: -20°C to +200°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F402	400ml



MULTI-LUBE

PROTEAN Multi-Lube is an NSF: H1 registered general purpose food grade lubricant for use on cables, chains, castors, hinges, bearings and pins. Suitable for use within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments.

Benefits:

- Effective water displacement and penetration properties;
- Protects against corrosion;
- Temperature range: -20°C to +200°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F404	400ml



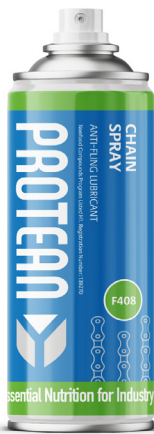
ELECTRICAL CLEANER

PROTEAN Electrical Cleaner is an NSF: K2 registered, quick drying solvent cleaner suitable for use within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Effective in cleaning and degreasing electrical components, PROTEAN Electrical Cleaner, when dry, leaves no residue thus making for an efficient process without the added chore of wiping off dissolved dirt. Not intended for direct food contact.

Benefits:

- Solvent dries off in less than 2 minutes;
- Effective in removing grease and grime and leaves no residue;
- Safe for use on most plastic or painted surfaces;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F406	400ml



CHAIN SPRAY

PROTEAN Chain Spray is an NSF: H1 registered, highly tenacious, food grade chain spray lubricant designed to keep chain and drive systems operating smoothly. Being both non-toxic and water resistant, PROTEAN Chain Spray is ideal for use on food conveyor systems where frequent washing down is required. Suitable for use in Packaging, Pharmaceutical and other cleanroom environments.

Benefits:

- Water resistant – withstands washing;
- Formulated with anti-fling additives for effective use on fast moving components - will not drip off;
- Anti-corrosion additives;
- Withstands high temperatures;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F408	400ml



PTFE DRY FILM LUBRICANT

PROTEAN PTFE Dry Film Lubricant is an NSF: H1 registered PTFE-enhanced lubricant engineered for use in Food & Beverage processing environments where conventional oils and greases are undesirable due to their dirt attracting nature. Ideal for lubricating links, pins and slides. Also suitable for use in Packaging, Pharmaceutical and other cleanroom environments.

Benefits:

- PTFE-based lubricant for excellent anti-stick properties;
- Effective release agent;
- Leaves a non-toxic film;
- Temperature range: -20°C to +270°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F410	400ml



PENETRATING OIL

PROTEAN Penetrating Oil is an NSF: H1 Registered lubricant developed for the release of seized components, and is suitable for use within Food & Beverage, Packaging, Pharmaceutical and other clean room environments. F412 has penetrating and anti-corrosion properties which actively penetrates seized components leaving a residual lubricating and protective film on the released part, facilitating re-assembly and helping prevent further corrosion. Effective over a wide temperature range.

Benefits:

- Powerful penetration through rust, scale and grime;
- Leaves a corrosion resistant coating;
- Temperature range -20°C to +250°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F412	400ml



BELT DRESSING

PROTEAN Belt Dressing is an NSF: H1 registered, spray-formulated, food grade belt dressing lubricant used to reduce slippage and extend the life of drive belts, increasing transmitted power and improving efficiency and economy. Suitable for use within Food & Beverage, Packaging, Pharmaceutical and other clean room environments.

Benefits:

- High tack for maximum power transmission;
- Reduces belt slippage for less squeal;
- Decreases energy costs;
- Does not reduce tensile strength;
- Effective in damp conditions;
- Extends belt life;
- Temperature range: -50°C to +150°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F414	400ml



WD ANTI-RUST AGENT

PROTEAN WD Anti-Rust Agent is an NSF: H1 registered, PTFE-based spray formulation, effective for use in displacing moisture and water based fluids from most surfaces, leaving a residual film of lubricant. Suitable for use on sliding surfaces, in bearings and for other light applications in Food & Beverage processing, Packaging, Pharmaceutical and other cleanroom environments.

Benefits:

- PTFE based for effective moisture displacement;
- Use for light lubrication;
- Leaves a film of lubricant;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F416	400ml



SILICONE RELEASE

PROTEAN Silicone Release is an NSF: H1 registered food grade lubricant used to protect and lubricate a wide range of parts and equipment commonly found with Food & Beverage processing, Packaging, Pharmaceutical and other cleanroom environments. Also suitable for the release of injection moulded parts where traditional/conventional oils are not suitable.

Benefits:

- Colourless and odourless;
- Non-staining and non-tainting;
- Excellent release properties;
- Temperature range -20°C to +200°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F418	400ml



STAINLESS STEEL CLEANER

PROTEAN Stainless Steel Cleaner is an NSF: A7 registered dual action cleaner and polish suitable for use within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Available in a convenient spray formulation, PROTEAN Stainless Steel Cleaner has been designed for use on stainless steel, aluminium and chrome and provides a protective coating to aid future cleaning and prevent corrosion.

Benefits:

- Dual action cleaner and polish;
- Restores surfaces to original lustre;
- Non-abrasive - will not scratch;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F420	400ml



FOAMING CLEANER

PROTEAN Foaming Cleaner is an NSF: A1 registered multi-surface foam cleaner suitable for use within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Formulated with a foaming action to cling longer to surfaces for improved contact time and effectiveness.

Benefits:

- For use on all hard surfaces;
- Foaming action for longer contact time;
- Cuts through grease and grime effectively;
- Gentle cleaning action – will not scratch;
- 360° value for inverted use;

PRODUCT CODE	SIZE
F422	400ml



LABEL REMOVER

PROTEAN Label Remover is an NSF: K3 registered, spray-formulated, label remover suitable for use within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Effective in the removal of sticky labels from most substrates including many plastics, metals, rubbers, painted surfaces and other impervious materials, leaving no residues or markings.

Benefits:

- Dissolves gums and adhesives from self adhesive labels;
- Suitable for most surfaces;
- Leaves no residues;
- High penetrating power;
- 360° value for inverted use;

PRODUCT CODE	SIZE
F424	400ml



3H1 GREASE

PROTEAN 3H1 Grease is a NSF: 3H/ H1 registered, non-toxic, multi-purpose spray grease offering enhanced anti-wear performance for prolonged component life. Developed as a superior 3H release agent, that prevents food products from adhering to surfaces during processing, and is suitable for most applications where direct food contact is inevitable. Ideal for use within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments.

Benefits:

- Ideal for use as a direct food contact release agent and multi-functional grease (Ovens and grills, mincers and mixers, slicers and trimmers, baking pans and trays, chopping boards, benches and other hard surfaces in contact with food products);
- Significant wide temperature resistance of -30C to +120C;
- Excellent lubrication performance and oxidative stability for extending lubrication intervals and reduced lubricant usage;
- Improved anti-wear performance helps prolong component life;
- Good sealing properties protect against unwanted corrosive contaminants;
- 360° value for inverted use

PRODUCT CODE	SIZE
F430	400ml



SYNTHETIC EJECTOR PIN LUBRICANT

F445 is a high temperature, food area safe synthetic product suitable for the lubrication of ejector pins, pillars and bushes fitted to plastic injection moulding machines. Refined and highly tenacious, it is used where a higher mould temperature is reached and will not cause contamination to mouldings, helping to prevent seizure and to protect against corrosion.

Benefits:

- H1 registered for use in food environments
- Highly tenacious – resistant to leakage
- Provides long lasting lubrication
- No mould contamination
- High surface slip
- Suitable up to 240°C
- Water resistant
- Fully synthetic in long-term storage;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F445	400ml



SYNTHETIC CHAIN LUBRICANT

A highly effective clear lubricant used in the food processing industry where a tenacious non-fling product is to be used in both high and low temperature situations, actively extending chain life by excluding moisture and protecting from corrosion. Resistant to water wash off and acids, it has been specially formulated for use on slow and fast moving chains.

Benefits:

- For use on conveyor, drive and forklift chains
- High resistance to throw off
- Clear, non marking lubricant
- Outstanding lubrication under dynamic conditions
- Excellent resistance to water and acids
- Working temperature from -30° to 240° C
- Resists and prevents corrosion

PRODUCT CODE	SIZE
F477	400ml

PROTEAN CLEANERS

In the food and beverage processing industry, or any industry with a cleanroom environment for that matter, cleanliness is paramount. That’s why we developed our Protean Cleaners, so you can keep your processing areas clean, without the risk of contamination. Developed to the highest standards for varied industries, you can find products from Sugar Dissolving Fluid to Electrical Cleaner.

SUGAR DISSOLVING FLUID

Protean sugar dissolving fluid is a non-toxic fluid that dissolves sugar and fondants from all types of applications commonly found in food, pharmaceutical and other clean environments. Sugar dissolving fluid also leaves a durable film on the surface for lubrication and to resist further contamination.

Benefits:

- Sugar Dissolving Fluid offers a wide temperature resistance of +5°C to +95°C;
- Rapidly dissolves and removes sugars and fondants from the surface to ensure components remain operational;
- Penetrates rapidly to leave a light, durable lubricating film on the surface;
- Provides light corrosion protection to the surface after cleaning

PRODUCT CODE	SIZE
TF8705	500ml
TF8750	5ltr



INSTANT DEGREASING CLEANER

PROTEAN Instant Degreaser is an NSF: D1 registered ready-to-use general cleaner suitable for use in around food processing area, though not intended for direct food contact. Both odourless and non-tainting, PROTEAN Instant Degreaser is tested to BS EN 1276 and kills bacteria fast and effectively.

Benefits:

- Odourless formulation;
- Anti bacterial;
- Colourless and non-tainting;
- Ready to use;
- Cleans and disinfects;
- Biocide ensures surfaces are safe;
- For use on all food processing surfaces, storage areas, displays and equipment where sanitary conditions are essential;
- Temperature range: -50°C to +150°C;
- 360° valve for inverted use;

PRODUCT CODE	SIZE
F906T	750ml
F906	5ltr



PROTEAN GREASES

At TYGRIS, providing the highest quality greases suitable for use in a wide range of industries is our speciality. Our expertise has led to the development of our game-changing food-approved grease. With High-Temperature Grease, 3H1 or Ultima 2 on offer, you can rest assured that our products are made to the highest standards of quality available on the market.

On the lookout for larger quantities?
TYGRIS are here to supply you with any of our industrial grease products, in any size that suits your needs.



3H1 GREASE

PROTEAN 3H1 Grease is a non-toxic, multi-purpose grease offering enhanced anti-wear performance for prolonged component life. As a superior 3H release agent, prevents food products from adhering to surfaces during processing, and is suitable for seals, sliding surfaces and all plain and anti-friction bearings.

Benefits:

- Safe for incidental contact with food;
- Ideal for use as both a direct food contact release agent and multi-purpose grease (ovens and grills, mixers and mincers, slicers and trimmers, baking pans and trays, chopping boards, benches and other hard surfaces in contact with food products);
- Excellent lubrication performance and oxidative stability for extending lubrication intervals and reduced lubricant usage;
- Improved anti-wear performance helps prolong component life;
- Good sealing properties protect against unwanted corrosive contaminants

PRODUCT CODE	SIZE
TF3004	400g
TF3005	500g
TF3018	18kg



PROPASTE ASSEMBLY GREASE

PROTEAN ProPaste Assembly Grease is a Food Safe non toxic grease-like compound with high solids content, used as an assembly lubricant for lubricating bushes, sliding surfaces and gears, and as an anti seize compound for threaded fasteners. Designed to prevent damage on start-up and to protect against premature wear during running in.

Benefits:

- Low friction coefficient for running-in protection;
- Prolongs component life;
- Provides protection against scuffing during assembly;
- Resists water wash off;
- Prevents seizure of threaded components;
- Dismantled threaded components can be re used;

PRODUCT CODE	SIZE
TF8005	500g
TF8030	3kg



CLASSIC 0

PROTEAN Classic 0 is a NSF: H1 registered versatile grease for use across wide-ranging applications within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. A soft, true all-round grease enhanced with extreme pressure and anti-wear additives, PROTEAN Classic 0 performs well in wet and saturated environments, under extreme temperature ranges and with heavy load applications.

Benefits

- Diverse performance attributes make it the go-to grease for most food safe applications
- Ideal for lubrication and protection of bearings (plain/ anti-friction) and sliding surfaces
- Provides long term lubrication at high temperatures, extending lubrication intervals
- Excellent anti-wear performance prolongs component life
- Exceptional degree of water resistance providing lasting lubrication and protection against corrosion
- Does not contain mineral oil, animal derived materials, nut oils or genetically modified material

PRODUCT CODE	SIZE
TF4504	400g
TF4530	3Kg
TF4518	18Kg



CLASSIC 2

PROTEAN Classic 2 (Universal) is a NSF H1, multi-purpose EP grease designed for use across wide-ranging applications within food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. A true all-round grease enhanced with extreme pressure / anti-wear additives and PTFE, PROTEAN Classic 2 (Universal) performs well in wet and saturated environments, under extreme temperature ranges and with heavy load applications. Halal/Kosher Certified.

Benefits

- Diverse performance attributes make it the go-to grease for most food safe applications;
- Ideal for lubrication and protection of bearings (plain/ anti-friction) and sliding surfaces;
- Provides long term lubrication at high temperatures, extending lubrication intervals;
- Excellent anti-wear performance prolongs component life;
- Exceptional degree of water resistance providing lasting lubrication and protection against corrosion;

PRODUCT CODE	SIZE
TF4404	400g
TF4418	18Kg



HIGH TEMP (HT) 2

PROTEAN High Temp Grease No.2 is a high temperature resistant, food grade grease which contains PTFE anti wear and other additives. Suitable for use in bearings and on sliding surfaces, with resistance to a wide range of cleaning chemicals.

Benefits:

- Provides long term lubrication;
- Resistant to high temperatures from -20°C to 220°C;
- Carbon deposits are reduced;
- High resistance to corrosive contaminants;
- Good sealing properties;
- PTFE lubricant adds anti wear performance;
- Compatible with most seals;

PRODUCT CODE	SIZE
TF8204	400g
TF8205	500g



OPTIMUM 00

PROTEAN Optimum 00 is a highly versatile, NSF H1 registered, PFPE-based lubricant, offering a unique combination of exceptionally high and low temperature performance, chemical inertness and high load carrying capacity to satisfy even the most demanding lubrication needs. PROTEAN Optimum 00 significantly reduces wear to increase service life of critical components that operate under extreme circumstances, or are hard to relubricate and require long life lubrication.

Benefits:

- For lifetime lubrication of bearings, chains, slides and other machine parts used in environments where conditions prevent the use of conventional greases;
- Good oxidation stability ensures prolonged lubrication intervals at high temperatures;
- Exceptional low levels of carbonisation at high operating temperatures help extend component life;
- Extreme resistance to chemicals and suitable in the presence of oxygen;

PRODUCT CODE	SIZE
TF4104	800g



OPTIMUM 2

PROTEAN Optimum 2 is a highly versatile, NSF H1 registered, PFPE-based lubricant, offering a unique combination of exceptionally high and low temperature performance, chemical inertness and high load carrying capacity to satisfy even the most demanding lubrication needs. PROTEAN Optimum 2 significantly reduces wear to increase service life of critical components that operate under extreme circumstances, hard to relubricate or require long life lubrication.

Benefits:

- For lifetime lubrication of bearings, chains, slides and other machine parts used in environments where conditions prevent the use of conventional greases;
- Good oxidation stability ensures prolonged lubrication intervals at high temperatures;
- Exceptional low levels of carbonisation at high operating temperatures extend component life;
- Extreme resistance to chemicals and suitable in the presence of oxygen;
- Anti-wear additives protect and prolong component life;

PRODUCT CODE	SIZE
TF4720	20kg



ENERGISE NG2

PROTEAN Energise NG2 is a NSF H1 registered, next generation lubricant, designed for use within the most demanding of applications within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. This cutting-edge over-based calcium sulphonate grease outperforms all other food grade greases and is enriched with anti-oxidants, EP and anti-wear additives. Kosher Certified.

Benefits:

- Superior load and wear protection for extended machine life;
- Highly water resistant and offers excellent protection against rust;
- Performs well for extended periods of time under water ingress

PRODUCT CODE	SIZE
TF5804	400g
TF5830	3kg
TF5818	18kg



SUBMERSIVE EXTREME GREASE

Characterized by an exceptional high dropping point, high load carrying performance, reduced wear and excellent resistance to water and corrosion, PROTEAN Submersive Extreme, outperforms other premium water resistant greases on several levels, and is best suited for low to medium speed bearings operating under adverse conditions

Benefits:

- Superior mechanical stability, particularly in the presence of heat and water
- Designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication
- Exhibits excellent EP performance with a 4 ball weld load of 700kg
- Temperature range -40°C to +165°C
- Excellent mobility and torque, even at sub zero temperatures down to -40°C)
- Specially formulated for enhanced resistance to water
- Life performance up to four times that of a regular mineral oil based grease

PRODUCT CODE	SIZE
TF8404	500g
TF8430	3Kg
TF8418	18Kg



SILICONE PASTE

PROTEAN Silicone Paste is based on polydimethyl siloxane oil especially intended for use in industrial and laboratory lubrication applications. TYGRIS TG8605 is used as a high viscosity grease in the lubrication and assembly of taps, valves, elastomer seals and O-rings including applications working under vacuum. The high water repellent property of silicone paste gives excellent water washout resistance.

Benefits:

- Very resistant to extreme temperatures of between - 50 °C and + 200 °C in continuous use and of over 200 °C when exposed for short periods;
- Resistant to chemical agents: resists solvents - resists oxidation and remains unaltered by mineral and vegetable oils;
- Highly water repellent - resists water wash out;
- Chemically inert - non corrosive on metals and no plasticising effect on rubbers or plastics;
- Very little variation in viscosity with fluctuations of temperature

PRODUCT CODE	SIZE
TF8505	500g



PELLET MILL GREASE

PROTEAN Pellet Mill grease is a food grade, high performance, extreme pressure grease with high resistance to heavy loads and water, based on a PAO over based calcium sulfonates. This technology has exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear, and excellent resistance to water and corrosion. This technology outperforms other premium, high temperature greases such as Lithium Complex and Aluminium Complex. It is designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication in food processing applications. It is best suited for low to medium speed bearings operating under adverse conditions. Exceptional performance for Pellet Press machines.



Benefits:

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water.
- Excellent EP and AW properties inherent in the thickener.
- Excellent mobility and torque at temperatures down to -40 C.
- Good Compatibility with plastics.
- Formulated for enhanced resistance to water.
- Sulfonate greases are known and used for their excellent rust prevention properties.
- The use of premium antioxidant and a high viscosity PAO ensures excellent thermal and oxidation stability. Life performance is typically increased by up to four times that of a regular mineral oil-based grease.
- Temperature range -40°C to 170°C, or 220°C for short periods

PRODUCT CODE	SIZE
TF1050	50Kg

WHITE GREASE

PROTEAN Food Area White Grease No.2 is a premium quality, water resistant grease for use in food processing environments where incidental food contact may occur. Designed for applications where frequent washdown of plant is essential. TF8304 is suitable for plain and anti-friction bearings. Kosher Certified.



Benefits:

- High degree of water resistance;
- Excellent corrosion protection;
- Good anti wear and extreme pressure properties;

PRODUCT CODE	SIZE
TF8304	400g

ULTIMA 00

A high performing, true all-round grease enhanced with PTFE, extreme pressure and anti-wear additives, PROTEAN Ultima 00 performs well in wet and saturated environments; under both high load and high temperatures and ideal for bearings, chains and gears. A must-have for those wishing to streamline their range of food grade lubricants!

Benefits:

- The go-to grease for most food safe applications
- Heavy duty, high load, PTFE enhanced lubricant, offering excellent adhesion and performance
- Exceptional water resistance - provides long lasting lubrication and protection against corrosion
- Provides long term lubrication at high temperatures, extends relubrication intervals
- Excellent anti-wear performance – reduces friction and extends component life

PRODUCT CODE	SIZE
TF6404	400g

Auto Greaser Ultima 1

The Tygris Auto-Greaser is an electronically controlled single-point lubrication system, driven by a chemical reaction. The dispenser excels through user-friendliness and a good cost-performance ratio. This product is the right choice for most lubrication applications being cost-effective, reliable, safe and ecological.



PRODUCT CODE	SIZE
AF6212	120ml



ULTIMA 000

A high performing, true all-round grease enhanced with PTFE, extreme pressure and anti-wear additives, PROTEAN Ultima 000 performs well in wet and saturated environments; under both high load and high temperatures and ideal for bearings, chains and gears. A must-have for those wishing to streamline their range of food grade lubricants!

Benefits:

- The go-to grease for most food safe applications
- Heavy duty, high load, PTFE enhanced lubricant, offering excellent adhesion and performance
- Exceptional water resistance - provides long lasting lubrication and protection against corrosion
- Provides long term lubrication at high temperatures, extends relubrication intervals
- Excellent anti-wear performance – reduces friction and extends component life

PRODUCT CODE	SIZE
TF6104	400g
TF6112	12.5kg



ULTIMA 1

A high performing, true all-round grease enhanced with PTFE, extreme pressure and anti-wear additives, PROTEAN Ultima 1 performs well in wet and saturated environments; under both high load and high temperatures and ideal for bearings, chains and gears. A must-have for those wishing to streamline their range of food grade lubricants!

Benefits:

- The go-to grease for most food safe applications
- Heavy duty, high load, PTFE enhanced lubricant, offering excellent adhesion and performance
- Exceptional water resistance - provides long lasting lubrication and protection against corrosion
- Provides long term lubrication at high temperatures, extends relubrication intervals
- Excellent anti-wear performance – reduces friction and extends component life

PRODUCT CODE	SIZE
TF6204	800g
TF6212	12.5kg



ULTIMA 2

A high performing, true all-round grease enhanced with PTFE, extreme pressure and anti-wear additives, PROTEAN Ultima 2 performs well in wet and saturated environments; under both high load and high temperatures and ideal for bearings, chains and gears. A must-have for those wishing to streamline their range of food grade lubricants!

Benefits:

- The go-to grease for most food safe applications
- Heavy duty, high load, PTFE enhanced lubricant, offering excellent adhesion and performance
- Exceptional water resistance - provides long lasting lubrication and protection against corrosion
- Provides long term lubrication at high temperatures, extends relubrication intervals
- Excellent anti-wear performance – reduces friction and extends component life

PRODUCT CODE	SIZE
TF6304	800g
TF6312	12.5kg



PROTEAN OILS

We take pride in delivering superior quality oils that are designed to work with a range of uses. Our products range from the Protean Airline Oil, designed for pneumatic airline systems to the Protean Chain & Gear 100, designed to lubricate drive and chain belts. No matter the job, we have innovative products to help get it done.

On the lookout for larger quantities?
TYGRIS are here to supply you with any of our industrial oil products, in any size that suits your needs.

3H1 FLUID

PROTEAN 3H1 Fluid is a high performance non-toxic, clear and odourless 3H/H1 registered multi-purpose oil, suitable for the effective lubrication and protection of bearings, blades, guides and seals where direct food contact is unavoidable. Developed as a 3H release agent, it prevents food products from adhering to surfaces during processing and also acts as an effective anti-corrosion solution on metal surfaces such as meat hooks, knives and tables.

Benefits:

- Safe for incidental contact with food;
- Ideal for use as both a direct food contact release agent and multi-purpose fluid (ovens and grills, mixers and mincers, slicers and trimmers, baking pans and trays, racks, rollers and other hard surfaces in contact with food products);
- Non-tainting and clear, offering excellent coverage;
- Excellent lubrication performance and oxidative stability for extending lubrication intervals and reduced lubricant usage;
- Improved anti-wear performance helps prolong component life;
- Good sealing properties protect against unwanted corrosive contaminants
- Halal/Kosher Certified.

PRODUCT CODE	SIZE
TF3105T	500ml
TF3105	5ltr
TF3120	20ltr
TF3199	205ltr



100% PROOF VHT

PROTEAN 100% Proof VHT Graphite High Temperature Chain Lubricant is based on synthetic esters and is inhibited against oxidation and contains corrosion and extreme pressure additives especially designed for highly loaded and high temperature applications. PROTEAN 100% Proof VHT is designed for the lubrication of conveyor chains and bearings running continuously at high temperatures, up to 225°C, and 550°C as dry film lubricant, on textile stenters, drying machines, bakery ovens and on paint stoving chains and ovens.

Benefits:

- Fluid lubrication up to 225°C and dry film up to 550°C
- Excellent lubricity at high temperature
- Very low carbon build-up
- Low volatility, but clean evaporation
- Highly resistance to water
- Excellent load carrying properties
- Good penetration and wetting performance
- Low odour

PRODUCT CODE	SIZE
TF5005	5ltr



100% PROOF

PROTEAN 100% Proof is a NSF H1 registered, fully synthetic lubricant designed for the effective lubrication of bakery oven chains operating continuously at high temperatures of up to 300°C, offering superior performance and long fluid life for optimum lubricant economy. Halal/Kosher Certified.

Benefits:

- Longer wet film life provides optimum lubricant economy;
- Excellent load and anti-wear properties; Does not form hard carbon deposits

PRODUCT CODE	SIZE
TF4820	20ltr



AIRLINE OIL

PROTEAN Airline Oil is a food grade, non-toxic lubricant developed for pneumatic airline systems used in food, drink and pharmaceutical processing and packaging equipment. Also suitable for other compressed air systems where a clean, non-staining product is desired. Halal/Kosher Certified.

Benefits:

- Low coefficient of friction provides excellent lubrication and reduces wear;
- Clean and non-staining feature keeps rejects to a minimum;
- Protects against air moisture and provides a high degree of internal corrosion protection;

PRODUCT CODE	SIZE
TF7905	5ltr



- Reduces residue and scum build-up extending maintenance intervals;
- Overcomes difficulties associated with vane scorching;



CHAIN & GEAR 100

PROTEAN Chain & Gear 100 is a NSF H1 registered, fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for gearboxes and reduction units, PROTEAN Chain & Gear 100 contains additives to extend servicing and lubrication intervals, boost performance, improved adhesion and offers excellent water wash-off resistance. Halal/Kosher Certified.

Benefits:

- Chains (Drive and Conveyor);
- Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure no fling, thus providing lasting lubrication;
- Effective water resistance and corrosion prevention, even where alkali materials are present;
- Extremely wide temperature range ensures maximum application versatility Gearboxes & Reduction Units;
- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water, demulsification ensures total separation of water from oil;
- Adhesive additives coat gears effectively and provide anti-wear protection at start-up;
- Synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase.

PRODUCT CODE	SIZE
TF6905	5ltr
TF6920	20ltr
TF6999	205ltr
TF6900	1000ltr

CHAIN & GEAR 150

PROTEAN Chain & Gear 150 is a NSF H1 registered, fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for gearboxes and reduction units, PROTEAN Chain & Gear 150 contains additives to extend servicing and lubrication intervals, boost performance, improved adhesion and offers excellent water wash-off resistance.

Benefits:

- Chains (Drive and Conveyor);
- Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure no fling, thus providing lasting lubrication;
- Effective water resistance and corrosion prevention, even where alkali materials are present;
- Extremely wide temperature range ensures maximum application versatility Gearboxes & Reduction Units;
- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water, demulsification ensures total separation of water from oil;
- Adhesive additives coat gears effectively and provide anti-wear protection at start-up;
- Synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase

PRODUCT CODE	SIZE
TF7005	5ltr
TF7020	20ltr
TF7099	205ltr
TF7000	1000ltr





CHAIN & GEAR 220

PROTEAN Chain and Gear Oil 220 is a NSF H1 registered, fully synthetic oil with characteristics that make it particularly suitable for ISO 220 lubrication of gearboxes, reduction units, and drive and conveyor chains. It contains special additives that help extend servicing and lubrication intervals considerably as well as boasting high water resistance, adhesive properties, and performance in an extremely wide temperature range.

Benefits:

- Chains (Drive and Conveyor);
- Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure no fling, thus providing lasting lubrication;
- Effective water resistance and corrosion prevention, even where alkali materials are present;
- Extremely wide temperature range ensures maximum application versatility Gearboxes & Reduction Units;
- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water, demulsification ensures total separation of water from oil;
- Adhesive additives coat gears effectively and provide anti-wear protection at start-up;
- Synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase

PRODUCT CODE	SIZE
TF7105	5ltr
TF7120	20ltr
TF7199	205ltr
TF7100	1000ltr



CHAIN & GEAR 320

PROTEAN Chain & Gear 320 is a NSF H1 registered, fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for gearboxes and reduction units, PROTEAN Chain & Gear 320 contains additives to extend servicing and lubrication intervals, boost performance, improved adhesion and offers excellent water wash-off resistance.

Benefits:

- Chains (Drive and Conveyor);
- Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure no fling, thus providing lasting lubrication;
- Effective water resistance and corrosion prevention, even where alkali materials are present;
- Extremely wide temperature range ensures maximum application versatility Gearboxes & Reduction Units;
- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water, demulsification ensures total separation of water from oil;
- Adhesive additives coat gears effectively and provide anti-wear protection at start-up;
- Synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase

PRODUCT CODE	SIZE
TF5105	5ltr
TF5120	20ltr
TF5199	205ltr
TF5100	1000ltr



CHAIN & GEAR 460

PROTEAN Chain & Gear 460 is a NSF H1 registered, fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for gearboxes and reduction units, PROTEAN Chain & Gear 460 contains additives to extend servicing and lubrication intervals, boost performance, improved adhesion and offers excellent water wash-off resistance.

Benefits:

- Chains (Drive and Conveyor);
- Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure no fling, thus providing lasting lubrication;
- Effective water resistance and corrosion prevention, even where alkali materials are present;
- Extremely wide temperature range ensures maximum application versatility Gearboxes & Reduction Units;
- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water, demulsification ensures total separation of water from oil;
- Adhesive additives coat gears effectively and provide anti-wear protection at start-up;
- Synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase

PRODUCT CODE	SIZE
TF5505	5ltr
TF5520	20ltr
TF5599	205ltr
TF5500	1000ltr



CHAIN & GEAR 680

PROTEAN Chain & Gear 680 is a NSF H1 registered, fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for gearboxes and reduction units, PROTEAN Chain & Gear 680 contains additives to extend servicing and lubrication intervals, boost performance, improved adhesion and offers excellent water wash-off resistance.

Benefits:

- Chains (Drive and Conveyor);
- Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure no fling, thus providing lasting lubrication;
- Effective water resistance and corrosion prevention, even where alkali materials are present;
- Extremely wide temperature range ensures maximum application versatility Gearboxes & Reduction Units;
- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water, demulsification ensures total separation of water from oil;
- Adhesive additives coat gears effectively and provide anti-wear protection at start-up;
- Synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase

PRODUCT CODE	SIZE
TF5320	20ltr
TF5399	205ltr
TF5300	1000ltr



CHAIN 150 VHT

PROTEAN Chain 150 VHT is a NSF H1 registered, premium fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Designed for the lubrication of chains running continuously at very high temperatures of up to 300°C, this antioxidant-enriched oil offers extremely good thermal stability combined with proven anti-wear, EP and corrosion prevention for improved performance.

Benefits:

- Long fluid life at high temperatures providing optimum lubricant economy;
- Excellent penetration thus reducing wear and extending chain life;
- Low evaporation rates and longer wet film life; Does not form hard carbon deposits;
- Excellent thermal stability; Suitable for use on bakery ovens, drying machines and textile stenters;

PRODUCT CODE	SIZE
TF5220	20ltr
TF5299	205ltr



CHAIN 320 VHT

PROTEAN Chain 320 VHT is an NSF H1 registered, premium fully synthetic oil designed for the effective lubrication of all types of conveyor and drive chains within Food & Beverage Processing. Designed for the lubrication of chains running continuously at very high temperatures of up to 300°C, this antioxidant-enriched oil offers extremely good thermal stability combined with proven antiwear, EP and corrosion prevention for improved performance. Also suitable for use in Packaging, Pharmaceutical and other cleanroom environments.

Benefits:

- Long fluid life at high temperatures, which provides maximum lubricant economy
- NSF: H1 registered (lubricant with incidental food contact - for use in and around food processing areas)
- Long fluid life at high temperatures provides optimum lubricant economy
- Excellent penetration thus reducing wear and extending chain life
- Low evaporation rates and longer wet film life
- Does not form hard carbon deposits
- Excellent thermal stability
- Suitable for use on bakery ovens, drying machines and textile stenters
- Temperature range -35°C to +300°C

PRODUCT CODE	SIZE
TF6620	20ltr
TF6699	205ltr

CHAIN FLUID LT

PROTEAN Chain Fluid LT is a NSF H1 registered, premium fully synthetic oil designed for the effective lubrication of slow moving conveyor chains within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Engineered for the lubrication of chains and bearings running continuously at low temperatures down to -40°C, this antioxidant-enriched oil offers long wet film life for optimum lubricant economy.

Benefits:

- Long wet film life provides optimum lubricant economy;
- Proven load and anti-wear performance; Does not form hard carbon deposits
- Halal/Kosher Certified.

PRODUCT CODE	SIZE
TF5405	5ltr
TF5420	20ltr
TF5499	205ltr
TF5400	1000ltr



HEAT TRANSFER FLUID

PROTEAN Heat Transfer Fluid is a HT1 registered food grade lubricant developed for non-pressurised closed loop heat transfer systems, commonly found within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. Suitable for Heat transfer systems with a bulk oil temperature range of approximately -10°C to max 325°C where the surface temperature of the heating elements (oil film temperature) should not exceed +340°C.

Benefits:

- NSF HT1 registered (incidental food contact)
- Excellent thermal and oxidation stability, with high heat and thermal conductivity
- Colourless, odourless with a neutral taste
- Compatible with elastomers, gaskets, seals and paints commonly used in food machinery lubrication systems.
- Halal/Kosher Certified.
- Temperature range -10°C to +340°C



PRODUCT CODE	SIZE
TF6599	205ltr



HYDRAULIC OIL PAO 22

PROTEAN Hydraulic Oil is a food grade, non-toxic oil developed for hydraulic systems, and is suitable for use in food, drink and pharmaceutical, processing and packaging equipment. It is also suitable for other hydraulic systems requiring a clean, non-staining hydraulic oil. It has extremely wide temperature stability, and its enhanced performance greatly extends service intervals. Halal/Kosher Certified.

Benefits:

- Low coefficient of friction provides excellent lubrication and reduces wear;
- Fully synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals;
- Additives reduce foaming for less residue and scum build-up, which extends maintenance intervals.

PRODUCT CODE	SIZE
TF7220	20ltr
TF7299	205ltr
TF7200	1000ltr

HYDRAULIC OIL PAO 32

PROTEAN Hydraulic Oil is a food grade, non-toxic oil developed for hydraulic systems, and is suitable for use in food, drink and pharmaceutical, processing and packaging equipment. It is also suitable for other hydraulic systems requiring a clean, non-staining hydraulic oil. It has extremely wide temperature stability, and its enhanced performance greatly extends service intervals. Halal/Kosher Certified.

Benefits:

- Low coefficient of friction provides excellent lubrication and reduces wear;
- Fully synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals;
- Additives reduce foaming for less residue and scum build-up, which extends maintenance intervals.

PRODUCT CODE	SIZE
TF7320	20ltr
TF7399	205ltr
TF7300	1000ltr



HYDRAULIC OIL PAO 46

PROTEAN Hydraulic Oil is a H1 registered food grade lubricant developed for hydraulic systems commonly found within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. It is also suitable for other hydraulic systems requiring a clean, non-staining hydraulic oil. Halal/Kosher Certified.

Benefits:

- NSF: H1 registered (lubricant with incidental food contact – for use in and around food processing areas)
- Low coefficient of friction provides excellent lubrication and reduces wear
- Fully synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals
- Low foaming reduces residue and scum build-up, which extends maintenance interval
- Available as PAO 22/32/46/68/100 viscosity oils.

PRODUCT CODE	SIZE
TF7420	20ltr
TF7499	205ltr
TF7400	1000ltr



HYDRAULIC OIL PAO 68

PROTEAN Hydraulic Oil is a H1 registered food grade lubricant developed for hydraulic systems commonly found within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. It is also suitable for other hydraulic systems requiring a clean, non-staining hydraulic oil. Halal/Kosher Certified.

Benefits:

- NSF: H1 registered (lubricant with incidental food contact – for use in and around food processing areas)
- Low coefficient of friction provides excellent lubrication and reduces wear
- Fully synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals
- Low foaming reduces residue and scum build-up, which extends maintenance interval
- Available as PAO 22/32/46/68/100 viscosity oils.

PRODUCT CODE	SIZE
TF7520	20ltr
TF7599	205ltr
TF7500	1000ltr

HYDRAULIC OIL PAO 100

PROTEAN Hydraulic Oil is a H1 registered food grade lubricant developed for hydraulic systems commonly found within Food & Beverage, Packaging, Pharmaceutical and other cleanroom environments. It is also suitable for other hydraulic systems requiring a clean, non-staining hydraulic oil. Halal/Kosher Certified.

Benefits:

- NSF: H1 registered (lubricant with incidental food contact – for use in and around food processing areas)
- Low coefficient of friction provides excellent lubrication and reduces wear
- Fully synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals
- Low foaming reduces residue and scum build-up, which extends maintenance interval

PRODUCT CODE	SIZE
TF7620	20ltr
TF7699	205ltr
TF7600	1000ltr





PENETRATE+

PROTEAN Penetrate+ is a NSF H1 registered, highly versatile penetrating lubricant for use within Food & everage, Packaging, Pharmaceutical and other cleanroom environments. Enhanced with PTFE and non-toxic, PROTEAN Penetrate+ is ideal as a light duty penetrant, dewatering fluid or corrosion preventative on chains, bearings and slides. Halal/Kosher Certified.

Benefits:

- Long wet film life with PTFE;
- Excellent corrosion prevention;
- Proven dewatering and anti-wear properties;
- Does not form hard carbon deposits

PRODUCT CODE	SIZE
TF5605	500ml

VACUUM PUMP OIL 100

PROTEAN Vacuum Pump 100 is an NSF H1 registered, fully synthetic oil designed for the effective lubrication of vacuum pumps commonly used within the Food & Beverage environments. Offering a high degree of chemical stability with proven oxidation resistance, PROTEAN Vacuum Pump 100 oil successfully reduces the formation of sludge and deposits thus prolonging oil service life, yielding increased pump efficiency and reliability and maintenance savings. Halal/Kosher

Benefits:

- Low friction coefficient provides excellent lubrication and reduces wear;
- Fully synthetic oil provides extremely wide temperature and oxidation stability ensuring greatly extended servicing intervals;
- High degree of de-emulsification provides greater lubrication efficiency;

PRODUCT CODE	SIZE
TF6820	20ltr



PTFE MULTI-LUBE

PROTEAN PTFE Multi-Lube is a food grade multi-purpose chain oil & penetrating lubricant containing PTFE. It is a non-toxic lubricating, penetrating and de-watering lubricant and is ideal for use on chains, bearings & slides in food area and sensitive environments. Kosher Certified.

Benefits:

- Good anti-wear properties;
- Excellent penetration with effective de-watering properties;
- Long life lubricating film with PTFE; Excellent corrosion protection;

PRODUCT CODE	SIZE
TF8650	5ltr
TF8620	20ltr
TF8699	205ltr





COMPRESSOR OIL PAO 46

PROTEAN Compressor Oil is a non-toxic, synthetic oil which has been developed for all types of compressors used in the food, drink and pharmaceutical industries. TF7705 provides extremely wide temperature and oxidation stability, and its enhanced action significantly extends service intervals. Halal/Kosher Certified.

Benefits:

- Low friction coefficient provides excellent lubrication and reduces wear;
- Fully synthetic oil provides extremely wide temperature and oxidation stability ensuring greatly extended servicing intervals; High degree of de-emulsification provides greater lubrication efficiency;
- Additives reduce foaming for less residue and scum build-up, which extends maintenance intervals.

PRODUCT CODE	SIZE
TF7705	5ltr
TF7720	20ltr
TF7799	205ltr
TF7700	1000ltr



COMPRESSOR OIL PAO 68

PROTEAN Compressor Oil is a non-toxic, synthetic oil which has been developed for all types of compressors used in the food, drink and pharmaceutical industries. TF8805 provides extremely wide temperature and oxidation stability, and its enhanced action significantly extends service intervals.

Benefits:

- Low friction coefficient provides excellent lubrication and reduces wear;
- Fully synthetic oil provides extremely wide temperature and oxidation stability ensuring greatly extended servicing intervals;
- High degree of de-emulsification provides greater lubrication efficiency;
- Additives reduce foaming for less residue and scum build-up, which extends maintenance intervals.
- Halal/Kosher Certified.

PRODUCT CODE	SIZE
TF8805	5ltr
TF8820	20ltr
TF8899	205ltr
TF8800	1000ltr

COMPRESSOR OIL PAO 100

PROTEAN Compressor Oil is a non-toxic, synthetic oil which has been developed for all types of compressors used in the food, drink and pharmaceutical industries. TF8920 provides extremely wide temperature and oxidation stability, and its enhanced action significantly extends service intervals.

Benefits:

- Low friction coefficient provides excellent lubrication and reduces wear;
- Fully synthetic oil provides extremely wide temperature and oxidation stability ensuring greatly extended servicing intervals;
- High degree of de-emulsification provides greater lubrication efficiency;
- Additives reduce foaming for less residue and scum build-up, which extends maintenance intervals.
- Halal/Kosher Certified.

PRODUCT CODE	SIZE
TF8905	5ltr
TF8920	20ltr
TF8999	205ltr
TF8900	1000ltr





HYDRAULIC VHVI 32

PROTEAN Hydraulic VHVI 32 is a food grade, non-toxic hydraulic oil developed for use in food, drink and pharmaceutical processing and packaging equipment. Also suitable for other hydraulic systems where a clean, non-staining hydraulic oil is desired.

Benefits:

- Low coefficient of friction provides excellent lubrication and reduces wear;
- Synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals;
- Low foaming reduces residue and scum build-up, which extends maintenance intervals

PRODUCT CODE	SIZE
TF9020	20ltr
TF9099	205ltr
TF9000	1000ltr



HYDRAULIC VHVI 46

PROTEAN Hydraulic VHVI 46 is a food grade, non-toxic hydraulic oil developed for use in food, drink and pharmaceutical processing and packaging equipment. Also suitable for other hydraulic systems where a clean, non-staining hydraulic oil is desired.

Benefits:

- Low coefficient of friction provides excellent lubrication and reduces wear;
- Synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals;
- Low foaming reduces residue and scum build-up, which extends maintenance intervals

PRODUCT CODE	SIZE
TF9120	20ltr
TF9199	205ltr
TF9100	1000ltr

HYDRAULIC VHVI 68

PROTEAN Hydraulic VHVI 68 is a food grade, non-toxic hydraulic oil developed for use in food, drink and pharmaceutical processing and packaging equipment. Also suitable for other hydraulic systems where a clean, non-staining hydraulic oil is desired.

Benefits:

- Low coefficient of friction provides excellent lubrication and reduces wear;
- Synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals;
- Low foaming reduces residue and scum build-up, which extends maintenance intervals

PRODUCT CODE	SIZE
TF9220	20ltr
TF9299	205ltr
TF9200	1000ltr



HYDRAULIC VHVI 100

PROTEAN Hydraulic VHVI 100 is a food grade, non-toxic hydraulic oil developed for use in food, drink and pharmaceutical processing and packaging equipment. Also suitable for other hydraulic systems where a clean, non-staining hydraulic oil is desired.

Benefits:

- Low coefficient of friction provides excellent lubrication and reduces wear;
- Synthetic oil provides extremely wide temperature stability and ensures greatly extended servicing intervals;
- Low foaming reduces residue and scum build-up, which extends maintenance intervals

PRODUCT CODE	SIZE
TF9320	20ltr
TF9399	205ltr
TF9300	1000ltr



GEAR 150

PROTEAN Gear 150 is a H1 registered semi-synthetic gear oil, suitable for the lubrication of gearboxes and reduction units, and approved for use within food and beverage processing environments. PROTEAN Gear 150 can also be used as a chain lubricant where temperatures do not exceed 140°C (continuous) or 160°C (intermittent).

Benefits:

- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water – demulsibility ensures total separation of water from oil;
- Adhesive additives coat gears and provide anti-wear protection at start-up;
- Semi-synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase;
- For chain applications: Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure non-drip, no fling thus providing lasting lubrication;
- Excellent adhesive characteristics ensures a high degree of water resistance and protects parts from corrosion even in the presence of alkali materials commonly associated with the food industry;
- Extremely wide temperature range ensures maximum application versatility

PRODUCT CODE	SIZE
TF9505	5ltr
TF9520	20ltr
TF9599	205ltr
TF9500	1000ltr



GEAR 220

PROTEAN Gear 220 is a H1 registered semi-synthetic gear oil, suitable for the lubrication of gearboxes and reduction units, and approved for use within food and beverage processing environments. PROTEAN Gear 220 can also be used as a chain lubricant where temperatures do not exceed 140°C (continuous) or 160°C (intermittent).

Benefits:

- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water – demulsibility ensures total separation of water from oil;
- Adhesive additives coat gears and provide anti-wear protection at start-up;
- Semi-synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase;
- For chain applications: Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure non-drip, no fling thus providing lasting lubrication;
- Excellent adhesive characteristics ensures a high degree of water resistance and protects parts from corrosion even in the presence of alkali materials commonly associated with the food industry;
- Extremely wide temperature range ensures maximum application versatility

PRODUCT CODE	SIZE
TF9605	5ltr
TF9620	20ltr
TF9699	205ltr
TF9600	1000ltr



GEAR 320

PROTEAN Gear 320 is a H1 registered semi-synthetic gear oil, suitable for the lubrication of gearboxes and reduction units, and approved for use within food and beverage processing environments. PROTEAN Gear 320 can also be used as a chain lubricant where temperatures do not exceed 140°C (continuous) or 160°C (intermittent).

Benefits:

- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water – demulsibility ensures total separation of water from oil;
- Adhesive additives coat gears and provide anti-wear protection at start-up;
- Semi-synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase;
- For chain applications: Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure non-drip, no fling thus providing lasting lubrication;
- Excellent adhesive characteristics ensures a high degree of water resistance and protects parts from corrosion even in the presence of alkali materials commonly associated with the food industry;
- Extremely wide temperature range ensures maximum application versatility

PRODUCT CODE	SIZE
TF9705	5ltr
TF9720	20ltr
TF9799	205ltr
TF9700	1000ltr



GEAR 460

PROTEAN Gear 460 is a H1 registered semi-synthetic gear oil, suitable for the lubrication of gearboxes and reduction units, and approved for use within food and beverage processing environments. PROTEAN Gear 460 can also be used as a chain lubricant where temperatures do not exceed 140°C (continuous) or 160°C (intermittent).

Benefits:

- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water – demulsibility ensures total separation of water from oil;
- Adhesive additives coat gears and provide anti-wear protection at start-up;
- Semi-synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase;
- For chain applications: Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure non-drip, no fling thus providing lasting lubrication;
- Excellent adhesive characteristics ensures a high degree of water resistance and protects parts from corrosion even in the presence of alkali materials commonly associated with the food industry;
- Extremely wide temperature range ensures maximum application versatility

PRODUCT CODE	SIZE
TF9805	5ltr
TF9820	20ltr
TF9899	205ltr
TF9800	1000ltr



GEAR 680

PROTEAN Gear 680 is a H1 registered semi-synthetic gear oil, suitable for the lubrication of gearboxes and reduction units, and approved for use within food and beverage processing environments. PROTEAN Gear 680 can also be used as a chain lubricant where temperatures do not exceed 140°C (continuous) or 160°C (intermittent).

Benefits:

- Extremely good oxidation stability which extends lubricant life;
- Unaffected by water – demulsibility ensures total separation of water from oil;
- Adhesive additives coat gears and provide anti-wear protection at start-up;
- Semi-synthetic oil with high Viscosity Index ensures reduced viscosity change with temperature increase;
- For chain applications: Penetrates to the links and pins reducing wear and extending chain life;
- Adhesive additives ensure non-drip, no fling thus providing lasting lubrication;
- Excellent adhesive characteristics ensures a high degree of water resistance and protects parts from corrosion even in the presence of alkali materials commonly associated with the food industry;
- Extremely wide temperature range ensures maximum application versatility

PRODUCT CODE	SIZE
TF9905	5ltr
TF9920	20ltr
TF9999	205ltr
TF9900	1000ltr



Category & Code	Intended Use
Food Processing Substances	
3A	Poultry scald agents
3B	Hog scald agents
3C	Tripe denuding, bleaching and neutralizing agents
3D	Substances for washing fruits and vegetables
3E	Preflushing agents for casings
3F	Refining agents for rendered fats
3G	Rendering agents
3H	Release agents
Cleaning Products	
A1	General cleaners
A2	Soak tank, steam/mechanical cleaners
A3	Acid cleaners
A4	Floor and wall cleaners
A5	Freezer floor and wall cleaners
A6	Scouring cleaners
A7	Metal polishes – nonfood contact
A8	Degreasers/carbon removers
AX	Ingredients for use in Cleaning Products
Nonprocessing Area Products	
C1	General
C2	Toilet/dressing room
C3	Paint removers
CX	Ingredients for use in Nonprocessing Area Products
Antimicrobial Products	
D1	Antimicrobial agents always requiring a rinse
D2	Antimicrobial agents not requiring rinse
DX	Ingredients for use in Antimicrobial Products
Hand Care Products	
E1	Handwashing products
E2	Handwashing and sanitizing products
E3	Hand sanitizing products
E4	Hand lotions/cleaners – nonfood contact
EX	Ingredients for use in Hand Care Products
Lubricants	
H1	General – incidental contact
H2	General – no contact
H3	Soluble oils
HX-1	Ingredients for use in H1 Lubricants (incidental contact)
HX-2	Ingredients for use in H2 Lubricants (no contact)
HX-3	Ingredients for use in H3 Lubricants (soluble oils)
Heat Transfer Fluids	
HT1	Heat transfer fluids - Incidental contact
HT2	Heat transfer fluids - no food contact
HTX1	Ingredients for use in HT1 heat transfer fluids
HTX2	Ingredients for use in HT2 heat transfer fluids
Solvent Cleaners	
K1	Nonprocessing area products
K2	Electronic instrument cleaners
K3	Adhesives/glue removers
K4	Coil Cleaners – food processing area
K5	Coil Cleaners – non processing area
K6	Electronic instrument cleaner – incidental food contact
KX	Ingredients for use in Solvent Cleaners
Miscellaneous	
P1	Miscellaneous
PX	Ingredients for use in Miscellaneous Products

NSF Codes at a Glance



WHAT IS NSF?

Formerly the National Sanitation Foundation, NSF launched its voluntary Nonfood Compounds Registration Programme to reintroduce the previous authorisation programme administered by the U.S. Department of Agriculture (USDA). Product evaluation is based on formulation and label review. As of the end of 2020 InS registrations are maintained by NSF, meaning InS registrations are technically no longer valid. All our PROTEAN products have NSF certification to give you assurance they are safe to use in food environments. You can find all our NSF certificates on our website.

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3H1 GREASE	TF3004	10
3H1 GREASE	TF3005	10
3H1 GREASE	TF3018	10
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CHAIN & GEAR 100	TF6920	17
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