



PROTEAN

by **TYGRIS**

SOLUTIONS FOR THE

Food & Beverage Industry

Reduce Downtime, Increase Efficiency

TYGRISINDUSTRIAL.COM

The Challenges of the Food & Beverage Industry

The food and beverage industry operates under stringent hygiene and safety regulations, facing constant pressure to maintain operational efficiency while keeping on top of product certification. Contamination risks and demanding equipment conditions create unique challenges.

KEY CHALLENGES INCLUDE:



Hygiene and Contamination: Strict sanitation standards necessitate specialised cleaners to eliminate pathogens and prevent product contamination. The risk of chemical contamination from non-food-grade lubricants poses a serious threat to consumer safety.



Equipment Downtime and Maintenance: Heavy machinery operating in extreme conditions requires robust lubrication to prevent breakdowns. Frequent maintenance and equipment failures due to wear and tear disrupt production schedules, leading to significant financial losses.

TYGRIS: Your Partner in Operational Excellence

TYGRIS provides a comprehensive range of food-grade lubricants, cleaners, and maintenance products designed to ensure regulatory compliance, maximise equipment lifespan, and minimise downtime. We understand the unique challenges of the food and beverage industry and offer solutions that prioritise hygiene, safety, and operational efficiency, helping you maintain seamless production and protect your consumers. Importantly, all our PROTEAN food-grade solutions are NSF Certified, guaranteeing the highest standards of safety and hygiene.

Contents

Addressing these challenges requires the right solutions. The following sections contain solutions designed to keep your food and beverage operations running smoothly and efficiently.

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Solutions For Chain & Conveyor Operations

Synthetic Chain Lubricant

Maintain peak performance and hygiene on your food and beverage production line chains and conveyors with TYGRIS PROTEAN Synthetic Chain Lubricant F477. This NSF H1-certified, clear synthetic lubricant is specifically engineered to withstand the demanding conditions of food processing.

Benefits:

- NSF H1 certified, minimises contamination on production lines.
- Resists washdowns and extreme temperatures, reducing downtime.
- Prevents fling-off and residue, maintaining hygiene and efficiency.



Penetrating Oil

Ensure smooth operation and prevent costly downtime in your food and beverage production with TYGRIS PROTEAN Penetrating Oil F412. This NSF H1 registered lubricant is specifically formulated to release seized components in clean environments, providing powerful penetration and corrosion protection across a wide temperature range.

Benefits:

- NSF H1 certified for use in food and beverage production.
- Leaves a protective film, facilitating re-assembly and preventing future seizures.
- Effective from -20°C to +250°C, suitable for diverse production environments.



PRODUCT CODE

SIZE

F477	400ml
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PRODUCT CODE

SIZE

F412	400ml
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PTFE Multi-Lube

This NSF H1 and Kosher certified lubricant is a versatile, food-grade solution for chains, bearings, and slides, offering excellent penetration, de-watering, and long-lasting lubrication with PTFE.

Benefits:

- NSF H1 and Kosher certified, ideal for sensitive food environments.
- PTFE-enhanced formula provides superior anti-wear and corrosion protection.
- Ensures thorough lubrication and moisture displacement for reliable operation.



PRODUCT CODE

SIZE

TF8650	5 Litre
TF8620	20 Litre
TF8699	205 Litre

Chain 320 VHT

Maximise the uptime and efficiency of your high-temperature food and beverage production lines with TYGRIS PROTEAN Chain 320 VHT. This NSF H1 registered, fully synthetic oil is engineered specifically for conveyor and drive chains operating in extreme heat, ensuring reliable lubrication up to 300°C.

Benefits:

- Formulated for continuous operation in bakery ovens and drying machines.
- Minimises friction and extends chain life, reducing maintenance demands.
- Prevents carbon buildup and maintains a consistent lubricating film, ensuring smooth operation.



PRODUCT CODE

SIZE

TF6620	20 Litre
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Solutions For High Temperature Tasks

High Temp (HT) 2

This NSF H1, Halal, and Kosher certified grease is engineered to provide reliable lubrication for bearings and sliding surfaces operating in demanding environments up to 220°C, fortified with PTFE for exceptional anti-wear and chemical resistance.

Benefits:

- Specifically designed for bearings and sliding surfaces in ovens and high-heat processing.
- PTFE and corrosion resistance minimise wear and withstand frequent cleaning.
- Long-lasting lubrication and chemical stability minimise maintenance needs.



PRODUCT CODE	SIZE
TF8204	400g

Industrial Cleaner Fast Drying

This multi-purpose grease, enriched with PTFE and EP additives, delivers exceptional performance in wet, high-load, and high-temperature settings, suitable for bearings, chains, and gears.

Benefits:

- Simplifies maintenance with a single grease for diverse food-safe applications.
- PTFE and extreme pressure additives guard against wear and corrosion.
- Excels in challenging environments, minimising production interruptions.



PRODUCT CODE	SIZE
TF6304	400g

Energise NG2

For the most demanding lubrication challenges in food and beverage production, rely on TYGRIS PROTEAN Energise NG2. This next-generation NSF H1 grease, formulated with calcium sulfonate and advanced additives, delivers exceptional extreme pressure, rust protection, and high-temperature performance, surpassing conventional food-grade greases.

Benefits:

- Exceeds the capabilities of standard calcium, clay, and aluminum complex greases.
- Provides exceptional load and wear protection, even under constant water ingress.
- Offers excellent rust protection, water resistance, and high-temperature stability.



PRODUCT CODE	SIZE
TF5804	400g

Optimum 00

For critical components requiring exceptional performance in extreme conditions, utilise TYGRIS PROTEAN Optimum 00. This highly versatile, NSF H1 registered, PFPE-based lubricant offers unparalleled high and low-temperature performance, chemical inertness, and load-carrying capacity, ideal for demanding applications and long-life lubrication.

Benefits:

- Ideal for bearings, chains, and slides in challenging environments.
- Exceptional oxidation stability and low carbonisation prolong lubrication intervals.
- Suitable for oxygen-rich environments and resistant to harsh chemicals.



PRODUCT CODE	SIZE
TF4104	800g

Solutions For Washing Processes

White Grease

For reliable lubrication in food processing environments with frequent washdowns, choose TYGRIS PROTEAN Food Area White Grease No.2. This premium, water-resistant grease is NSF H1 and Kosher certified, designed to protect plain and anti-friction bearings against corrosion and wear.

Benefits:

- Ideal for equipment exposed to frequent cleaning.
- Safeguards bearings against rust and degradation from water and cleaning agents.
- Provides excellent anti-wear and extreme pressure properties for demanding applications.



PRODUCT CODE	SIZE
TF8304	400g

Classic 2

For robust, multi-purpose lubrication in food and beverage cleaning and washdown processes, choose TYGRIS PROTEAN Classic 2. This NSF H1, Halal, and Kosher certified grease is designed to withstand frequent exposure to water and cleaning agents, ensuring reliable protection for bearings and sliding surfaces.

Benefits:

- Formulated to resist water and cleaning chemicals.
- Suitable for a wide range of bearings and sliding surfaces.
- Anti-wear additives minimise friction and corrosion.



PRODUCT CODE	SIZE
TF4404	400g

Submersive Extreme Grease

For ultimate protection against extreme water washdown and heavy loads in food and beverage cleaning operations, choose TYGRIS PROTEAN Submersive Extreme. This NSF H1 registered grease is engineered for low to medium speed bearings, delivering superior mechanical stability, EP performance, and corrosion resistance, even in sub-zero temperatures.

Benefits:

- Formulated to resist extreme water washout.
- Exceptional EP properties for demanding cleaning equipment.
- Long-life performance reduces maintenance frequency.



PRODUCT CODE	SIZE
TG8404	400g
TG8430	3Kg

Silicone Paste

Maintain the integrity of seals and valves in your food and beverage cleaning systems with WRAS-approved TYGRIS PROTEAN Silicone Lubricant Paste TF8505. This NSF H1 registered paste offers exceptional water resistance and chemical inertness, ensuring reliable performance during frequent washdowns and exposure to cleaning agents.

Benefits:

- Resists water washout and chemical degradation.
- Maintains consistent viscosity and lubrication across temperature changes.
- NSF H1 and WRAS approved for use in sensitive food processing environments.



PRODUCT CODE	SIZE
TF8505	500g

Solutions For Maintenance Jobs

Electrical Cleaner

For rapid and residue-free maintenance of electrical components in food and beverage production, utilise TYGRIS PROTEAN Electrical Cleaner. This NSF K2 registered, fast-drying solvent effectively degreases and cleans, minimising downtime and ensuring efficient equipment operation.

Benefits:

- Solvent dries rapidly, reducing maintenance delays.
- Removes grease and grime without leaving behind unwanted residue
- Compatible with most plastic and painted surfaces, ensuring equipment integrity.



PRODUCT CODE

F406

SIZE

400ml

Industrial Cleaner Fast Drying

This NSF A7 registered, dual-action cleaner and polish restores surfaces to their original luster while providing a protective coating against corrosion and future soiling.

Benefits:

- Simplifies maintenance with a single product.
- Revitalises stainless steel while creating a protective barrier.
- Non-abrasive formula ensures scratch-free cleaning.



PRODUCT CODE

F420

SIZE

400ml

Foaming Cleaner

For efficient cleaning of hard surfaces in food and beverage production, use TYGRIS PROTEAN Foam Spray Cleaner. This NSF A1 registered cleaner utilises a clinging foam to maximise contact time, effectively cutting through grease and grime without scratching.

Benefits:

- Foaming action maximises contact and cleaning effectiveness.
- Suitable for a wide range of surfaces in food production areas.
- Cuts through grime without scratching or leaving residue.



PRODUCT CODE

F422

SIZE

400ml

Label Remover

Streamline label removal in your food and beverage production with TYGRIS PROTEAN Label Remover. This NSF K3 registered spray efficiently dissolves adhesives, leaving surfaces clean and minimising downtime in hygiene-critical areas.

Benefits:

- Quickly removes labels, enhancing production efficiency.
- Maintains hygiene standards with no trace of adhesive.
- Versatile formula is safe for use on a wide range of materials.



PRODUCT CODE

F424

SIZE

400ml

PROTEAN

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Explore the full range of TYGRIS MRO products.
For data sheets or more information visit:

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FIND US



31 Kyle Road, Irvine KA12 8LE
Tel: +44 (0) 1294 311 066 | team101@tygrisindustrial.com