



TOTAL

NEVASTANE, a brand of TOTAL, is dedicated to the food processing industry.

Industries Served:

- Baking
- Beverage
- Cocoa and Chocolate Processing
- Cosmetics
- Feed
- Fruit and Vegetable Processing
- Meat and Poultry
- Pharmaceutical

Our ambition is to market the most reliable lubricants brand in the world. And it is this ambition which has made TOTAL into one of the largest organizations in the specialty products markets: lubricants, bitumen, liquefied petroleum gas (LPG), special fluids as well as jet, marine and heavy fuels. TOTAL is also a Top Five lubricants player in the world. TOTAL Lubricants designs, produces and markets lubricants and greases under the TOTAL brand (automotive, industry, marine and aviation sectors), Nevastane, Kleenmold and the ELF brand (racing and motorcycle oils).

Food Safety: no worries!

Guaranteeing food safety to consumers is paramount for today's food and beverage processors.

With this challenge in mind, TOTAL Lubricants has developed NEVASTANE, a full range of NSF H1 registered lubricants designed for use when incidental contact with food is possible.

Using these products instead of traditional products allows you to avoid serious consequences for both the consumer and your brand image. The best machine designs can't always rule out incidental contamination of food by lubricants from leakage, drip, spatter, or even mistakes. Use NEVASTANE with complete peace of mind!

A NEVASTANE Lubricant for every application and situation!

Efficient in every food processing application, the NEVASTANE range protects your equipment while extending its service life under the most difficult conditions including extreme ranges of temperature, heavy loads, and exposure to water and food. NEVASTANE food grade lubricants use several advanced technologies: Synthetics PAO or PAG, semi-synthetics, food-grade white oils or silicone.

Nevastane Guarantees at-a-glance

- Registered NSF H1
- Contain no compound of animal origin
- GMO free
- Allergen free

In addition, most NEVASTANE products are Kosher-certified.

A Guarantee of Additional Safety ISO 21469 certification

This voluntary certification demonstrates the commitment of TOTAL Lubricants to provide you maximum quality, safety and assurance.

Our food grade lubricant production plants are audited by an independent organization that verifies that our production process and finished products meet or exceed the requirements of ISO 21469 certification.

Recommendations for Use

- Store the NSF H1 lubricants in a separate and well-identified area.
- Flush your equipment with the food grade suitable product before converting to NSF H1 lubricant for the first time (contact us).
- Label your transfer containers and dispensing equipment in order to avoid any potential cross contamination.

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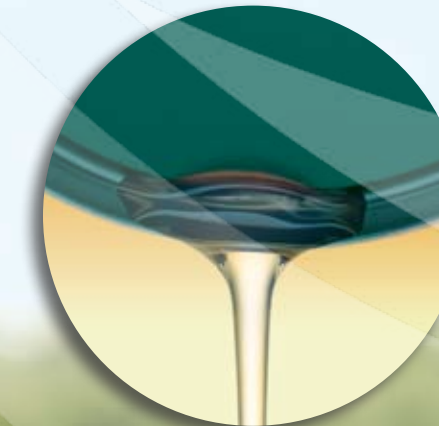
Available in:

- Sprays and Aerosols
- Cartridges
- Pails
- Kegs
- Drums
- Totes



Nevastane Product Range

Your production is safe with NEVASTANE lubricants



The right choice in lubricants **TOTAL**



TOTAL

Why Nevastane?

TOTAL Lubricants is a subsidiary of the TOTAL group. The Group is the world's fifth largest integrated oil and gas company* and employs around 100,000 people around the world. TOTAL Lubricants produces and markets under the TOTAL brand in more than 150 countries. NEVASTANE is the brand of lubricants dedicated to the food processing industries.

With its major investments in R&D and close collaboration with food processing equipment manufacturers, TOTAL Lubricants has developed its cutting edge, value added NEVASTANE products, and is continuously evolving to satisfy your future needs.

TOTAL Lubricants' ISO 21469 certification for the production of the NEVASTANE range is an additional guarantee of our long term commitment to food safety.

When choosing NEVASTANE, you know you have found a brand that will stand by you to ensure the safety of your food production while optimizing your productivity and maintenance costs. The large variety of NEVASTANE ranges allows you to cover all your needs for maintenance and specialty lubricants.

*based on market capitalization in dollars at June 30, 2008.

Value-added services: we provide support for you

Now more than ever, industrial companies are convinced of the need to use NSF H1 lubricants, but many wonder how they should be implemented and used in the various processing areas.

We can guide you through the entire conversion process to help you achieve your food safety objectives while reducing your production costs through continuous optimization.

Diagnose the risks of lubricant contamination

In the framework of their HACCP* programs, all food processing plants have to control the risk of contamination of their products. Our technical managers will help you perform your lubrication diagnostics on site:

- **identify** all critical lubrication points,
- **select** the appropriate NEVASTANE product to meet the performance requirements of your applications,
- **ensure** that all conversion and implementation is performed correctly.

*HACCP: Hazard Analysis Critical Control Points

Optimize your maintenance with TIG XP5 FOOD

Total Lubricants developed TIG XP5 FOOD to manage the lubrication and maintenance of your facilities. TIG XP5 FOOD helps you to:

- **plan** preventive maintenance operations,
- **manage** oil analyses and predictive maintenance,
- **control** critical lubrication points in the framework of the HACCP procedure,
- **reference** the documents and certificates required for food safety audits.

Monitor your equipment through in-service oils analysis

The expertise of our laboratories enables, through sampling of in-service oils, to:

- **monitor** the mechanical condition of your machines without dismantling or shutdown,
- **reduce** operating costs by decreasing breakdowns and production stops,
- **lengthen** oil drain intervals.

Train your teams

TOTAL Lubricants offers training sessions dedicated to your sector of activity, on controlling lubrication, safety and the environment. A lubricant used under the best conditions enhances the performance and the equipment life cycle, secures your facilities, and protects human health and the environment.

A Range That Covers Every Food Processing Application



Oils

	Type	Applications	Specific Advantages	ISO VG	Specifications
NEVASTANE AW	Hydraulic oil based on white medicinal oil	<ul style="list-style-type: none"> • Hydraulic systems • Air-line lubricators 	<ul style="list-style-type: none"> • Excellent anti-wear and corrosion protection • Miscible with mineral fluids 	22 to 68	NSF H1 Kosher ISO 6743-4 HM
NEVASTANE SL (32 TO 100)	Compressors and pneumatic oils Synthetic PAO	<ul style="list-style-type: none"> • Air compressors • Vacuum pumps • Hydraulic systems and especially those operating at low temperatures 	<ul style="list-style-type: none"> • 100% synthetic • Wide temperature range • Significant extension of oil drain intervals 	32 to 100	NSF H1 Kosher ISO 6743-4 HV
NEVASTANE EP	Gear oil based on white medicinal oil	<ul style="list-style-type: none"> • All types of industrial gears • Plain and roller bearings • Conveyor belts and chains 	<ul style="list-style-type: none"> • Superior protection against high loads • Adapted to a wide range of applications 	100 to 1000	NSF H1 Kosher ISO 6743-6 CKC
NEVASTANE SL (100 TO 460)	Gear oil Synthetic PAO	<ul style="list-style-type: none"> • All types of industrial gears • Plain and roller bearings • Conveyor belts and chains 	<ul style="list-style-type: none"> • 100% synthetic • Wide temperature range • Significant extension of oil drain intervals 	100 to 460	NSF H1 Kosher ISO 6743-6 CKC
NEVASTANE SY	Gear oil Synthetic PAG	<ul style="list-style-type: none"> • Worm gears and reducers • High temperature oven chains • Bottling equipment 	<ul style="list-style-type: none"> • Excellent thermal stability • Excellent water handling capability • Superior extreme pressure characteristics <p><i>Note: Not miscible with other mineral and synthetic oils</i></p>	220 to 460	NSF H1
NEVASTANE SS	Compressors and pneumatic oils Synthetic-Blend of PAO & white medicinal oil	<ul style="list-style-type: none"> • Air compressors • Vacuum pumps • Hydraulic and circulating systems 	<ul style="list-style-type: none"> • Synthetic Blend • Wide temperature range • Extended drain capable 	32 & 100	NSF H1 Kosher
Specific Products					
NEVASTANE FLUSH OIL	Light viscosity fluid for cleaning and flushing	<ul style="list-style-type: none"> • Cleaning or flushing of hydraulics, gear reducers, chains and other moving components 	<ul style="list-style-type: none"> • Elimination of deposits and impurities • Excellent solvent power • Ideal for changing from standard lubricant to NSF H1 lubricant (except PAG and MPG) 	9.5	NSF H1 Kosher
NEVASTANE SDO	Sugar dissolving oil	<ul style="list-style-type: none"> • Dissolves sugar accumulated on equipment in production and packaging areas • Application in pure or diluted form 	<ul style="list-style-type: none"> • Excellent for dissolving accumulated sugar on machine parts • Reduction of maintenance costs and shutdowns 	—	NSF H1 Kosher
NEVASTANE CLEAR	White medicinal oil	<ul style="list-style-type: none"> • Dough dividers • Pan and mold release agent • General lubrication 	<ul style="list-style-type: none"> • Colorless, odorless and tasteless • Good dispersion reducing consumption • Exceptional protection of knives from wear • Non-staining 	15 & 68	NSF H1 & 3H USP Kosher FDA 21 CFR 172.878 FDA 21 CFR 178.3620(a)



Greases

	Type	Applications	Specific Advantages	NLGI Grade	Thickener	Range of Use	Specifications
NEVASTANE HT/AW	Multi-purpose grease	<ul style="list-style-type: none"> • Roller and plain bearings • Crimping machines 	<ul style="list-style-type: none"> • Excellent protection against corrosion • Resistance to water 	00 0 1 2	Complex Al	-20 °C to +150 °C	NSF H1 Kosher
NEVASTANE HD2T	Multi-purpose extreme pressure, tacky grease with PTFE	<ul style="list-style-type: none"> • Loaded bearings even in the presence of water • Bottling machines 	<ul style="list-style-type: none"> • Exceptional adhesion to metal surfaces • Excellent resistance to water washout • Superior extreme pressure characteristics 	2	Complex Al	-20 °C to +150 °C	NSF H1 Kosher
NEVASTANE HPX	High performance extreme pressure grease	<ul style="list-style-type: none"> • Roller and plain bearings subject to shocks loads and high temperatures • Pelleting machines 	<ul style="list-style-type: none"> • Wide temperature range • Excellent resistance to water • Superior extreme pressure characteristics 	1/2	Complex Ca sulfonate	-25 °C to +180 °C	NSF H1
NEVASTANE SFG	Synthetic grease adapted to a wide range of temperatures	<ul style="list-style-type: none"> • Bearings under high and low temperatures • Sterilizers • Bearings in ovens • Freezing tunnels 	<ul style="list-style-type: none"> • Very wide temperature range • Excellent resistance to water • Significant extension of lubrication intervals 	1 2	Complex Ca sulfonate	-40 °C to +180 °C	NSF H1 Kosher



Aerosols

	Type	Applications	Specific Advantages	Range of Use	Specifications
NEVASTANE LUBE AEROSOL	Multi-purpose adhesive oil	<ul style="list-style-type: none"> • Small machines requiring almost daily lubrication • Conveyors and rails • Packaging machines 	<ul style="list-style-type: none"> • Exceptional adhesion to metal surfaces • Resistant to water, steam and weak acid and alkaline atmospheres 	-20 °C to +150 °C	NSF H1
NEVASTANE GREASE AEROSOL	Water resistant grease	<ul style="list-style-type: none"> • Bearings, hinges, springs, chains, rails and tools 	<ul style="list-style-type: none"> • Excellent resistance to water and steam • Exceptional adhesion to metal surfaces • Insensitive to detergents 	-20 °C to +150 °C	NSF H1
NEVASTANE SILICONE SAFEGARD	Dry film silicone	<ul style="list-style-type: none"> • Small machines and chains subject to extreme temperatures • Shrink oven chains • Conveyors and rails 	<ul style="list-style-type: none"> • Very wide temperature range • Insulating, anti-rust and anti-corrosion • Spray without propellant gas (Safeguard technology), for environmental protection 	-40 °C to +200 °C -20 C to 150 C	NSF H1 Kosher
NEVASTANE SAFEGARD 6	Multi-purpose penetrating oil	<ul style="list-style-type: none"> • General lubrication of conveyor lines, slides, guides, bearings, chains, and sanitary valves 	<ul style="list-style-type: none"> • Colorless and odorless • Multi-purpose lubricant and penetrant • Superior lubricity to white oils • Extends equipment life • Non-staining • Displaces moisture, resists steam and mild acids • No special disposal required Safeguard technology 	—	NSF H1 Kosher