

# Nevastane

H1 high performance  
lubricants

Reliability and safety  
for all food industries

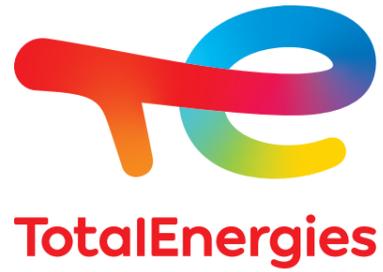


**TotalEnergies**



Nonfood Compounds  
Program Listed  
ISO 21469 Certified





## Major energy player

- TotalEnergies is a broad energy company that produces and markets energies on a global scale: **oil and biofuels, natural gas and green gases, renewables and electricity**
- Our **105,000** employees are committed to energy that is ever more affordable, clean, reliable and accessible to as many people as possible
- Active in more than **160** countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people



## Our history

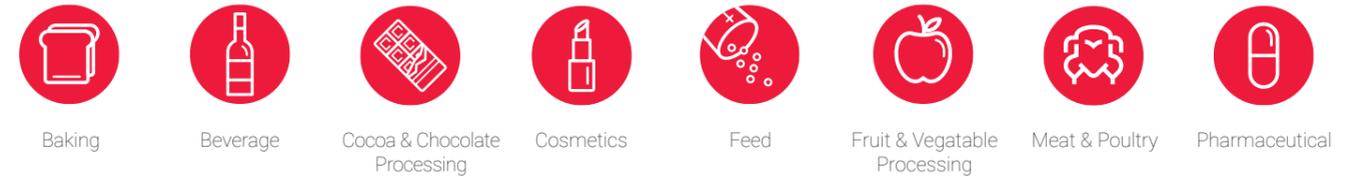
- The Company's history began in **1924** with the creation of Compagnie Française des Pétroles (CFP)
- We have been innovating for nearly **100** years, to meet our customers' needs and expectations, throughout the world
- The Company was branded **Total** in 2003, after merging with PetroFina then Elf. In 2021, Total became TotalEnergies.



Supporting the food processing industry for more than 65 years

As one of the world's largest producers of specialty products, TotalEnergies has a rich heritage of providing cutting edge innovation, engineering and expertise for a comprehensive range of oils and greases, with proven experience to deliver quality solutions. It is this expertise that produces some of the world's highest performing food-grade lubricants such as **NEVASTANE**.

### Nevastane serves these industries:



### NEVASTANE answers your toughest challenges.

The **NEVASTANE** range of products were developed to support the food and beverage industry.

Each is efficient in every food processing application and is designed to protect your equipment while extending its service life under the most difficult conditions including:

Plus, **NEVASTANE** products use some

- Extreme temperature ranges
- Heavy loads
- Exposure to water & Food

of the world's most advanced lubricant technologies such as:

- Synthetics PAO or PAG
- Semi-synthetics
- Food-grade white oils
- Silicone

### Experts in food safety, guaranteed.

TotalEnergies knows that for today's food and beverage processors, guaranteeing food safety is a top priority. That's why we ensure **NEVASTANE** meets Hazard Analysis Critical Control Points (HACCP) best-in-class practices, with NSF H1 products and traceability for use when incidental contact with food is possible.

### NEVASTANE GUARANTEES

- Registered NSF H1
- ISO 21469 Certified
- Contains no compound of animal origin
- GMO free
- Allergen free

### Additional Safety Assurance

Our commitment to safety goes beyond doing what is required. TotalEnergies is ISO 21469 certified for production of **NEVASTANE** Food Grade Lubricants. This voluntary certification demonstrates the commitment of TotalEnergies to provide 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 ISO 21469 requirements:

- Formulation review, product testing and product verifications
- Annual independent audit of our facility and products
- Investigation of complaints, corrective action and enforcement
- Risk assessment and continuous improvement

Product	Type	Applications	Special Advantages	ISO VG	Specs
▶ <b>NEVASTANE AW</b>	Hydraulic oil based on USP NF white oil	<ul style="list-style-type: none"> <li>Hydraulic systems</li> <li>Air line lubricators</li> </ul>	<ul style="list-style-type: none"> <li>Excellent anti-wear and corrosion protection</li> <li>Miscible with mineral fluids</li> </ul>	22 to 68	NSF H1 Kosher Halal ISO 6743-4 HM ISO 21469
▶ <b>NEVASTANE SH</b>	Bearing and compressor oil (PAO)	<ul style="list-style-type: none"> <li>Air compressors</li> <li>Vacuum pumps</li> <li>Hydraulic systems, especially those operating at low temperatures</li> </ul>	<ul style="list-style-type: none"> <li>100% synthetic</li> <li>Wide temperature range</li> <li>Significant extension of oil drain intervals</li> </ul>	32 to 100	NSF H1 Kosher Halal ISO 6743-4 HV ISO 21469
▶ <b>NEVASTANE EP</b>	Gear oil based on white oil and synthetic technology	<ul style="list-style-type: none"> <li>All types of industrial gears</li> <li>Plain and roller bearings</li> <li>Conveyor belts and chains</li> </ul>	<ul style="list-style-type: none"> <li>Superior protection against high loads</li> <li>Adapted to a wide range of applications</li> <li>Superior oxidation protection</li> </ul>	100 to 680	NSF H1 Kosher Halal ISO 6743-6 CKC ISO 21469
▶ <b>NEVASTANE XSH</b>	Gear oil (PAO)	<ul style="list-style-type: none"> <li>All types of industrial gears</li> <li>Plain and roller bearings</li> <li>Conveyor belts and chains</li> </ul>	<ul style="list-style-type: none"> <li>100% synthetic</li> <li>Wide temperature range</li> <li>Significant extension of oil drain intervals</li> </ul>	150 to 460	NSF H1 Kosher Halal ISO 6743-6 CKC ISO 21469
▶ <b>VESTAN PAG GEAR LUBE</b>	Gear oil (PAG)	<ul style="list-style-type: none"> <li>Worm gears and reducers</li> <li>High-temperature oven chains</li> <li>Bottling equipment</li> </ul>	<ul style="list-style-type: none"> <li>100% synthetic</li> <li>Excellent thermal stability</li> <li>Excellent water handling capability</li> <li>Superior extreme-pressure characteristics</li> <li>Note: Not miscible with other mineral and synthetic oils</li> </ul>	150 to 680	NSF H1 DIN 51517 Part 3 - Group CLP ISO 6743-6 CKS/CKT David Brown, CMD
▶ <b>NEVASTANE FLUSH OIL</b>	Light viscosity fluid for cleaning and flushing	<ul style="list-style-type: none"> <li>Cleaning or flushing of hydraulics, gear reducers, chains and other moving components</li> </ul>	<ul style="list-style-type: none"> <li>Elimination of deposits and impurities</li> <li>Excellent solvent power</li> <li>Ideal for changing from standard lubricant to NSF H1 lubricant (except PAG and MPG)</li> </ul>	10	NSF H1 Kosher Halal ISO 21469
▶ <b>VESTAN SDF</b>	Sugar dissolving oil	<ul style="list-style-type: none"> <li>Dissolves sugar accumulated on equipment in production and packaging areas</li> <li>Application in pure or diluted form</li> </ul>	<ul style="list-style-type: none"> <li>Excellent for dissolving accumulated sugar on machine parts</li> <li>Reduction of maintenance costs and shutdowns</li> </ul>	15	NSF H1 & 3H Kosher Halal ISO 21469
▶ <b>NEVASTANE CLEAR</b>	White medicinal oil	<ul style="list-style-type: none"> <li>Dough dividers</li> <li>Pan and mold release agent</li> <li>General lubrication</li> </ul>	<ul style="list-style-type: none"> <li>Colorless, odorless and tasteless</li> <li>Good dispersion reducing consumption</li> <li>Exceptional protection of knives from wear</li> <li>Non-staining</li> </ul>	15 & 68	NSF H1 & 3H USP Kosher Halal FDA 21 CFR 172.878 FDA 21 CFR 178.3620(a) ISO 21469
▶ <b>VESTAN SYN OCL</b>	Synthetic oven chain lubricant (Advanced POE)	<ul style="list-style-type: none"> <li>High-temperature oven chains</li> </ul>	<ul style="list-style-type: none"> <li>Longer equipment life</li> <li>Less downtime</li> <li>Less consumption</li> <li>Clean burn off</li> <li>High operating temperature</li> </ul>	100 & 220	NSF H1 Kosher Halal FDA 21 CFR 178.3750 SPECIFIC
▶ <b>FINAVESTAN U</b>	Medicinal Grade White Mineral Oil	<ul style="list-style-type: none"> <li>Component for many pharmaceutical and cosmetic products; Plasticizer for the polystyrene, external lubricant and other uses for food packaging; extender for elastomers; defoaming agent; food processing aid</li> </ul>	<ul style="list-style-type: none"> <li>Extremely high purity; transparent, colorless, odorless, and tasteless</li> </ul>	70, 80, 100, 190, 210, 350, 500 (SUS)	NSF H1 Kosher Halal 70-100 NF 190-500 USP
▶ <b>NEVASTANE WET LUBE</b>	Multi-purpose lubricant for wet environments	<ul style="list-style-type: none"> <li>Food Machinery Lubricant</li> </ul>	<ul style="list-style-type: none"> <li>Displaces water; reduces contamination as required by HACCP</li> </ul>	100	NSF H Kosher Halal

SPECIFIC PRODUCTS

## Expertise You Can Trust

From the highest level of food safety to helping keep your equipment running better and longer, TotalEnergies Marketing USA, Inc. offers the expertise your business needs to achieve your goals, virtually anywhere you need it.

It's why so many customers trust their businesses to **NEVASTANE** and our integrated organization with the resources and tools that maximize food production safety and minimize maintenance cost.

GREASES

Product	Type	Applications	Special Advantages	NLGI GRADE	THICKENER	TEMPERATURE	ISO VG	Specs
▶ <b>VESTAN HT/AW CLEAR</b>	Multi-purpose grease	<ul style="list-style-type: none"> <li>Roller and plain bearings</li> <li>Crimping machines</li> </ul>	<ul style="list-style-type: none"> <li>Excellent protection against corrosion</li> <li>Water-resistant</li> </ul>	0 1 2	AL Complex	-20 °C to +160 °C	110	NSF H1 Kosher Halal
▶ <b>NEVASTANE HD2T</b>	Multi-purpose extreme pressure, tacky grease with PTFE	<ul style="list-style-type: none"> <li>Loaded bearings even in the presence of water</li> <li>Bottling machines</li> </ul>	<ul style="list-style-type: none"> <li>Exceptional adhesion to metal surfaces</li> <li>Excellent resistance to water washout</li> <li>Superior extreme-pressure characteristics</li> </ul>	2	AL Complex	-20 °C to +150 °C	130	NSF H1 Kosher Halal ISO 21469
▶ <b>NEVASTANE 2 PLUS</b>	White food machinery grease	<ul style="list-style-type: none"> <li>Variety of food processing machinery and general purpose lubrication applications</li> </ul>	<ul style="list-style-type: none"> <li>White in color</li> <li>Superior anti-wear properties</li> <li>Tacky</li> <li>Excellent resistance to water and corrosion</li> <li>Extends equipment life</li> </ul>	2	AL Complex	-20 °C to +160 °C	105	NSF H1 Kosher Halal ISO 6743-9: L-XDDHB2 DIN 51502: KP2N-20 ISO 21469
▶ <b>NEVASTANE MP 1.5</b>	Multi-purpose extreme pressure, tacky white grease	<ul style="list-style-type: none"> <li>Designed for the lubrication of process and packing machines (pelleting presses and grape harvesters)</li> <li>Adapted for application in all types of surfaces, mechanical parts and devices</li> </ul>	<ul style="list-style-type: none"> <li>Assures long machine life</li> <li>Exceptional water washout resistance</li> <li>Superior anti-rust protection</li> <li>Excellent adhesion</li> <li>Simplifies service operations</li> </ul>	1.5	Ca Complex	-20 °C to 150 °C	150	NSF H1 Kosher Halal ISO 6743-9: L-XBDDHB 1/2 DIN 51502: KP1/2N-20 ISO 21469
▶ <b>NEVASTANE XS 80</b>	Synthetic grease used in severe operating conditions in the food and feed industries	<ul style="list-style-type: none"> <li>Synthetic grease used in severe operating conditions in the food and feed industries</li> </ul>	<ul style="list-style-type: none"> <li>Wide temperature range</li> <li>Water-resistant</li> <li>Superior anti-corrosion characteristics</li> <li>High load carrying capacity</li> </ul>	1.5	Ca Sulfonate Complex	-55 °C to +150 °C	80	NSF H1 Kosher Halal ISO 21469
▶ <b>NEVASTANE XS 220</b>	Synthetic grease used in severe operating conditions in the food and feed industries	<ul style="list-style-type: none"> <li>Pelleting presses in the feed and sugar industries, paper mill</li> <li>Bearings subject to severe operating conditions</li> </ul>	<ul style="list-style-type: none"> <li>Long service life</li> <li>High load carrying properties</li> <li>Outstanding water and steam resistance</li> <li>Excellent food acid/alkali resistance</li> <li>Superior anti-corrosion properties</li> </ul>	1.5	Ca Sulfonate Complex	-35 °C to 180 °C	220	NSF H1 Kosher Halal ISO 21469
▶ <b>NEVASTANE XS 320</b>	Synthetic grease used under severe conditions in the food industry	<ul style="list-style-type: none"> <li>Synthetic grease used under severe conditions in the food industry</li> </ul>	<ul style="list-style-type: none"> <li>Long service life</li> <li>High load carrying capabilities</li> <li>Water-resistant</li> <li>Superior anti-corrosion properties</li> </ul>	1.5	Ca Sulfonate Complex	-30 °C to +160 °C	320	NSF H1 Kosher Halal ISO 21469

SPRAYS

Product	Type	Applications	Special Advantages	TEMPERATURE	ISO VG	Specs
▶ <b>NEVASTANE SILICONE SAFEGARD</b>	Dry film silicone	<ul style="list-style-type: none"> <li>Small machines and chains subject to extreme-temperatures</li> <li>Shrink oven chains</li> <li>Conveyors and rails</li> <li>Spray without propellant gas (Safeguard technology), for environmental protection</li> </ul>	<ul style="list-style-type: none"> <li>Very wide temperature range</li> <li>Insulating, anti-rust and anti-corrosion</li> </ul>	-40 °C to +200 °C	Spray Oils (<2cSt)	NSF H1 Kosher Halal
▶ <b>NEVASTANE 6 SAFEGARD</b>	Multi-purpose penetrating oil	<ul style="list-style-type: none"> <li>General lubrication of conveyor lines, slides, guides, bearings, chains, and sanitary valves</li> <li>Spray without propellant gas (Safeguard technology), for environmental protection</li> </ul>	<ul style="list-style-type: none"> <li>Colorless and odorless</li> <li>Multi-purpose lubricant and penetrant</li> <li>Superior lubricity to white oils</li> <li>Extends equipment life</li> <li>Non-staining</li> <li>Displaces moisture, resists steam and mild acids</li> <li>No special disposal required</li> </ul>	-20 °C to +150 °C	Spray Oils (<2cSt)	NSF H1 Kosher Halal

# The TotalEnergies Advantage

## Exceeding efficiency and productivity standards

Our range of **NEVASTANE** Food Grade Lubricants are engineered with your business's productivity in mind. They are formulated to meet the latest requirements of industrial equipment suppliers, and we're always monitoring to ensure that our lubricants exceed industry standards. That's why we design each product to maximize the reliability and durability of your equipment and improve your production rates, despite an increase of physical and chemical constraints.

Plus, each product helps reduce oil consumption and protect against wear for more efficiency and less cost.

### NEVASTANE PROVIDES

- Reliability • Durability
- Longer equipment life
- Reduced oil consumption
- Lengthens oil drain intervals

From conversion to implementation, the experts at TotalEnergies can guide your company through the NSF H1 Lubricants process, not only helping you achieve your safety objectives, but also reducing your production costs. Here are a few of the services we offer:

### DIAGNOSE

To meet HACCP programs, all food processing plants must control the risk of contamination. TotalEnergies' diagnostics can help you:

1. Identify all critical lubrication points.
2. Select the right **NEVASTANE** lubricant to meet performance requirements.
3. Ensure all conversion and implementation is performed correctly.

### MONITOR

TotalEnergies constantly monitors your equipment by sampling in-service oils. This helps you:

1. Keep equipment running efficiently through TOTAL CHECK, our condition monitoring program.
2. Reduce operating costs by decreasing breakdowns and production stops.
3. Lengthen oil drain intervals.

### TRAIN

Properly training your team is vital to your facility's safety and efficiency. Our local technical experts are here to support your approach and even offer training sessions customized to your business sector. A lubricant used under the best conditions enhances the performance and equipment life cycle, secures your facilities and protects human health and the environment.

## Industry leading standards for quality, safety and traceability

To evidence our commitment with the upmost stringent guidelines and regulation

### All Nevastane range is registered as NSF H1!



Nonfood Compounds Program Listed

- Suitable for incidental food contact.
- H1 registration is based on a strict list of raw materials validated by FDA 21 CFR 178.3570.

### All our plants producing Nevastane are ISO 21469!



ISO 21469 Certified

- International standard about hygiene, safety and quality with an annual audit by NSF.
- Today, our plants are key to ensure the high quality of our products.

To respect all needs from our clients worldwide

### Nevastane is also concerned by Kosher and Halal certifications!



Our plants are audited to comply with standards of "kashrut" (Jewish dietary law) for Kosher and Islamic law for Halal.

To ensure reliability and safety

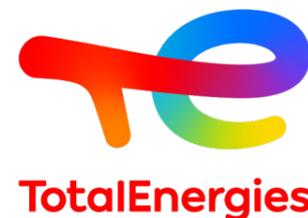


### Nevastane is developed to focus on performance through controlled compounds!

These lubricants do not present any of the potential risks associated to products of animal origin. Nevastane is free of GMO and no allergens are intentionally introduced during the manufacturing of our products.

To mitigate risks and bring comfort in daily life at your warehouse

Nevastane has a dedicated packaging to be easily identified as "H1 lubricant".



### A major player

With our production, supply chain and commercial presence in more than 160 countries, we deliver a full range of lubricants.

### Support and partnership

Thanks to local technical presence, we provide a high level of service to optimize your Total Cost of Ownership.

### References & OEMs

TotalEnergies Lubricants cooperates with equipment manufacturers to create high-technology products for optimal performance and production of your machinery.

# 5

## good reasons for choosing TotalEnergies

### Innovation & Research

TotalEnergies Lubricants invests in biotechnologies to find the most suitable components to reach energy efficiency through formulations designed in our Research Centers.

### Quality and environment

TotalEnergies Lubricants ISO 9001 and 14001 certifications are the guarantee of a long term commitment to quality and environment. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.



# TotalEnergies



[services.us.totalenergies.com](https://services.us.totalenergies.com)



TotalEnergies Industry Solutions



[customerserviceusa@totalenergies.com](mailto:customerserviceusa@totalenergies.com)

Safety Data Sheets are available at [sdstotalms.totalenergies.com](https://sdstotalms.totalenergies.com)