

**Product: LUBRAX TOP TURBO 5W30 LDF-4 SINT - LI**

SDS ID: 01.027.326

Revision date: 4/18/2026

**SECTION 1: Identification****1.1. GHS Product identifier**

Product form : Mixture  
Trade name : LUBRAX TOP TURBO T504S  
Product code : 01.027.326  
Product group : Produtos comerciais

**1.2. Other means of identification**

No additional information available

**1.3. Recommended use of the chemical and restrictions on use**

Recommended use : Lubricant oil.

**1.4. Supplier's details**

Name of company : Vibra Energia S.A.  
Address : Rua Correia Vasques, 250  
Rio de Janeiro  
Brasil  
20.211-140

SAC : 4090 1337 ou 0800 770 1337 (capitals, metropolitan regions or other regions)

Emergency telephone number : 0800 024 44 33

**1.5. Emergency phone number**

Emergency number : 0800 024 44 33 CAE (Emergency Support Center), for leaks, spills and other accidents that require emergency support.

**SECTION 2: Hazard identification****2.1. Classification of the substance or mixture**

Classification according to GHS BR (ABNT NBR 14725: 2023)

Serious eye damage/eye irritation, Category 2

Skin sensitisation, Category 1

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**2.2. GHS Label elements, including precautionary statements****GHS BR labelling**

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Warning

Hazard statements (GHS BR)

: H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

Precautionary statements (GHS BR)

Prevention

: P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

Response

: P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.

P337+P313 - If eye irritation persists: Get medical advice or attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

Disposal

: P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and international regulations.

**2.3. Other hazards which do not result in classification**

No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

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### 3.2. Mixtures

Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
Lubricating base oil*	CAS-No.: Segredo comercial	20 - 30	Asp. Tox. 1, H304
Mineral oil	CAS-No.: Confidencial	5 - 10	Asp. Tox. 1, H304
degraded alkylphenol, ester	CAS-No.: Confidencial	2 - 4	Aquatic Chronic 4, H413
Polyolefin polyamine succinimide	CAS-No.: Confidencial	1 - 3	Skin Sens. 1, H317
Zinc Alkyl Dithiophosphate	CAS-No.: 68649-42-3	0.2 - 2	Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Borated polyalkyl starch polyol	CAS-No.: Confidencial	0.2 - 2	Skin Irrit. 3, H316 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

Comments : The mineral oils present in the product are highly refined and contain <3% DMSO extract (IP 346).

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

- First-aid measures general : People with over sensibility problems are not allowed to work or be exposed to the product.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth out with water.

### 4.2. Most important symptoms and effects, acute and delayed

- Symptoms/effects : May cause an allergic skin reaction.
- Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
- Symptoms/effects after skin contact : Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.

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Symptoms/effects after eye contact : None under normal conditions.  
Symptoms/effects after ingestion : None under normal conditions.

**4.3. Indication of any immediate medical attention and special treatment needed, if necessary**

Notes to physician : Treat symptomatically

**SECTION 5: Fire-fighting measures****5.1. Suitable extinguishing media**

Suitable extinguishing media : Water spray, dry chemical powder, foam for use in hydrocarbons, carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media : Do not use a heavy water stream.

**5.2. Specific hazards arising from the chemical**

Fire hazard : In case of fire and/or explosion do not breathe fumes.  
Explosion hazard : No direct explosion hazard.

**5.3. Special protective actions for fire-fighters**

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Wear recommended personal protective equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Avoid contact with skin and eyes. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

**6.1.1. For non-emergency personnel**

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Notify fire brigade and environmental authorities.

**6.1.2. For emergency responders**

Protective equipment : Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Equip cleanup crew with proper protection.

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Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Absorb spilled material with sand or earth.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. Keep only in original container. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store locked up.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Always store product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure limit for mists/aerosols that may form while using this product:

Name	Mineral oil, excluding metal working fluids - pure, highly and severely refined
TWA - (ACGIH, 2024)	5 mg/m <sup>3</sup>

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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**8.3. Individual protection measures**

**Personal protective equipment:**

Wear recommended personal protective equipment.

**Hand protection:**

Nitrile rubber gloves

**Eye protection:**

Safety glasses

**Skin and body protection:**

Wear suitable protective clothing. Chemical resistant safety shoes. Long sleeved protective clothing. Chemical resistant apron

**Respiratory protection:**

No respiratory protection needed under normal use conditions

**Personal protective equipment symbol(s):**



**SECTION 9: Physical and chemical properties**

**9.1. Basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Clear Liquid.
Colour	: Brown
Odour	: Typical of lubricant oil
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 226 °C (COC)
Relative evaporation rate (butylacetate=1)	: Not available

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Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density	: Not available
Density	: 0.8548 g/cm <sup>3</sup> (20/4 °C)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Kinematic Viscosity (40 °C)	: 73 cSt
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle specific surface area	: Not applicable

## 9.2. Data relevant with regard to physical hazard classes

No additional information available

## 9.3. Further safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions of use.
Conditions to avoid	: Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hazardous decomposition products	: No hazardous decomposition products known at room temperature.
Incompatible materials	: Consult supplier(s) of these materials for specific recommendations.
Possibility of hazardous reactions	: None under normal use.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Handling temperature	: No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not available
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Not available

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Lubricating base oil	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.53 mg/m <sup>3</sup>

Mineral oil (Confidential)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 5000 mg/m <sup>3</sup>

Skin corrosion/irritation	: Not available
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Aspiration hazard	: Not classified.
Other information	: This mixture does not contain carcinogenic ingredients. The mineral oils present in the product are highly refined and contain <3% DMSO extract (IP 346).

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Kinematic Viscosity (40 °C)	73 mm <sup>2</sup> /s

Lubricating base oil	
Kinematic Viscosity (40 °C)	≥ 20 mm <sup>2</sup> /s

## 11.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: May cause an allergic skin reaction.
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

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Symptoms/effects after skin contact : Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.  
 Symptoms/effects after eye contact : None under normal conditions.  
 Symptoms/effects after ingestion : None under normal conditions.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

#### Mineral oil (Confidential)

LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 10000 mg/l
EC50 72h - Algae [1]	> 100 mg/l
NOEC chronic crustacea	> 10 mg/l

### 12.2. Persistence and degradability

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Persistence and degradability	Rapidly degradable
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### 12.3. Bioaccumulative potential

#### Lubricating base oil

Partition coefficient n-octanol/water (Log Pow)	> 6
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Hazardous to the ozone layer : Not available

## SECTION 13: Disposal considerations

Regional waste regulation : Law No. 12.305 on the National Policy on Solid Waste Management, 02 August 2010.

Waste treatment methods : Must follow special treatment according to local regulation.

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Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.

**SECTION 14: Transport information**

In accordance with IMDG / IATA / ANTT

**14.1 National and international Regulations**

Not regulated for transport

**Overland transport**

UN-No. (ANTT) : Not regulated  
Proper Shipping Name (ANTT) : Not regulated  
Class (ANTT) : Not regulated  
Subsidiary risk (ANTT) : Not regulated  
Risk Number (ANTT) : Not regulated  
Packing group (ANTT) : Not regulated  
Special provisions (ANTT) : Not regulated

**Transport by sea**

UN-No. (IMDG) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Class (IMDG) : Not regulated  
Subsidiary hazard (IMDG) : Not regulated  
Packing group (IMDG) : Not regulated  
EmS-No. (Fire) : Not regulated  
EmS-No. (Spillage) : Not regulated  
Special provisions (IMDG) : Not regulated

**Air transport**

UN-No. (IATA) : Not regulated  
Proper Shipping Name (IATA) : Not regulated  
Class (IATA) : Not regulated  
Subsidiary hazards (IATA) : Not regulated  
Packing group (IATA) : Not regulated  
Special provisions (IATA) : Not regulated

**14.2 Other informations**

No additional information available

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**SECTION 15: Regulatory information****15.1. National regulations**

Brazil Local Regulations

: Norma ABNT NBR 14725.

Federal Decree no. 10.088, of 5 November 2019 - Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.

Ministerial Order no. 2.770, of 5 September 2022 - Approves the new wording of Regulatory Standard No. 26

Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials

Resolution no. 5998, of 03 November 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

**SECTION 16: Other information**

No additional information available

Safety Data Sheet (SDS), Brazil

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.