

Product: LUBRAX MOTO 4T 20W-50

SDS ID: 1024162

Revision date: 22/05/2025

## SECTION 1: Identification

### 1.1. GHS Product identifier

Product form	: Mixture
Product name	: LUBRAX MOTO 4T 20W-50
Product code	: 1024162
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

No additional information available

### 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)
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Emergency telephone number	: 0800 024 44 33
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### 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.
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## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

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

Chemical product not classified as hazardous according to ABNT NBR 14725

### 2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Precautionary statements (GHS BR)

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## 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

### 3.2. Mixtures

Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
Lubricating oil, mineral oil.	CAS-No.: 74869-22-0	10 - 20	Not classified
Viscometric modifier agent	-	5 - 10	Not classified
Distillates (petroleum), hydrotreated heavy paraffinic	CAS-No.: 64742-54-7	0,5 - 2	Not classified
Phosphorodithioic acid, mixed esters O, O-bis (2-ethylhexyls and isobutyls and isopropyls), zinc salts	CAS-No.: 85940-28-9	0,5 - 1	Acute Tox. 5 (Oral), H303 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401
sulfur compounds	CAS-No.: Confidencial	< 1	Not classified
Distillates (petroleum), solvent-refined heavy paraffinic; Baseoil– unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C).]	CAS-No.: 64741-88-4	0,2 - 1	Not classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic	CAS-No.: 64742-65-0	0,2 - 1	Asp. Tox. 1, H304
bis(nonylphenyl)amine	CAS-No.: 36878-20-3	< 0,2	Skin Irrit. 3, H316 Aquatic Chronic 4, H413
Organomolybdenum complex of organic amide	CAS-No.: 445409-27-8	< 0,2	Not classified
Poly alkylenearyl long-chain alkyl esteralkylamide	CAS-No.: Confidencial	< 0,1	Skin Irrit. 2, H315

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Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
Alcohols, C12-15	CAS-No.: 63393-82-8	< 0,1	Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Alcohols, C14-18	CAS-No.: 67762-30-5	< 0,1	Aquatic Chronic 1, H410

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 : If you feel unwell, seek medical advice.  
 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. Be careful, the product may remain trapped under clothing, footwear or a wrist-watch.  
 First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 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 : Causes serious eye damage.  
 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 : None under normal conditions.  
 Symptoms/effects after eye contact : Causes serious eye damage. stinging, redness, itching, tears.  
 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 (CO2).  
 Unsuitable extinguishing media : Do not use a heavy water stream.

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## 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 : Use self-contained breathing apparatus and chemically protective clothing.  
Other information : In case of fire, corrosive and harmful gases come free.

# 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. Corrosionproof suit. Equip cleanup crew with proper protection.  
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 : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Clean contaminated surfaces with an excess of water.

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## 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	: When heated, material emits highly irritating vapours, affecting the eyes. Keep only in original container. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
Hygiene measures	: Always wash hands after handling the product. Remove contaminated clothes. Do not eat, drink or smoke when using this product.

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

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Keep cool. Protect from sunlight.
Packaging materials	: Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
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### 8.3. Individual protection measures

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

#### Eye protection:

Wear closed safety glasses

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Wear impervious rubber safety shoes

**Respiratory protection:**

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

**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	: 238 °C (COC)
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density	: ≈ 0,8824 (20/4 °C)
Density	: Not available
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)	: ≈ 167,6 cSt
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable

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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	: On exposure to high temperature, may decompose, releasing corrosive gases.
Incompatible materials	: No additional information available.
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

#### Lubricating oil, mineral oil. (74869-22-0)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
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#### Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 2000 mg/kg Source: IUCLID
LC50 Inhalation - Rat (Dust/Mist)	2,18 mg/l Source: IUCLID

**Product: LUBRAX MOTO 4T 20W-50****SDS ID: 1024162****Revision date: 22/05/2025****Phosphorodithioic acid, mixed esters O, O-bis (2-ethylhexyls and isobutyls and isopropyls), zinc salts (85940-28-9)**

LD50 oral rat	3080 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2570 - 3700
LD50 dermal rabbit	> 20000 mg/kg bodyweight Animal: rabbit, Guideline: other:, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 2,3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
ATE BR (oral)	3080 mg/kg bodyweight

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 5000 mg/kg Source: IUCLID

**Alcohols, C12-15 (63393-82-8)**

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 20 mg/l

**Alcohols, C14-18 (67762-30-5)**

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

**Poly alkylenearyl long-chain alkyl esteralkylamide (Confidencial)**

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not available

Serious eye damage/irritation : Not available

Respiratory or skin sensitisation : Not available

Germ cell mutagenicity : Not available

Carcinogenicity : Not available

Reproductive toxicity : Not available



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STOT-single exposure : Not available

STOT-repeated exposure : Not available

Lubricating oil, mineral oil. (74869-22-0)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0,98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Phosphorodithioic acid, mixed esters O, O-bis (2-ethylhexyls and isobutyls and isopropyls), zinc salts (85940-28-9)	
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0,98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Aspiration hazard : Not available

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).

LUBRAX MOTO 4T 20W-50	
Kinematic Viscosity (40 °C)	≈ 167,6 mm <sup>2</sup> /s

Lubricating oil, mineral oil. (74869-22-0)	
Kinematic Viscosity (40 °C)	1,99 - 847 mm <sup>2</sup> /s Temp.: '40 °C' Parameter: 'mm <sup>2</sup> /s'

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<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)</b>	
Kinematic Viscosity (40 °C)	1,99 - 847 mm <sup>2</sup> /s Temp.: '40 °C' Parameter: 'mm <sup>2</sup> /s' 'mm <sup>2</sup> /s'

<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Kinematic Viscosity (40 °C)	1,99 - 847 mm <sup>2</sup> /s Temp.: '40 °C' Parameter: 'mm <sup>2</sup> /s' 'mm <sup>2</sup> /s'

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

Symptoms/effects	: Causes serious eye damage.
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	: None under normal conditions.
Symptoms/effects after eye contact	: Causes serious eye damage. stinging. redness, itching, tears.
Symptoms/effects after ingestion	: None under normal conditions.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)</b>	
LC50 - Fish [1]	> 5000 mg/l Source: IUCLID
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID
EC50 96h - Algae [1]	> 1000 mg/l Source: IUCLID

<b>Phosphorodithioic acid, mixed esters O, O-bis (2-ethylhexyls and isobutyls and isopropyls), zinc salts (85940-28-9)</b>	
EC50 - Crustacea [1]	5,4 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	2,1 mg/l Test organisms (species): other:
EC50 72h - Algae [2]	2 mg/l Test organisms (species): other:
EC50 96h - Algae [1]	2,1 mg/l Test organisms (species): other:
EC50 96h - Algae [2]	2 mg/l Test organisms (species): other:

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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 10000 mg/l
EC50 72h - Algae [1]	> 100 mg/l
EC50 96h - Algae [1]	> 1000 mg/l Source: IUCLID
NOEC chronic crustacea	> 10 mg/l

## 12.2. Persistence and degradability

LUBRAX MOTO 4T 20W-50	
Persistence and degradability	Rapidly degradable

## 12.3. Bioaccumulative potential

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Partition coefficient n-octanol/water (Log Pow)	3,9 - 6 Source: IUCLID

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Partition coefficient n-octanol/water (Log Pow)	3,9 - 6 Source: IUCLID

## 12.4. Mobility in soil

No additional information available

## 12.5. Other adverse effects

Hazardous to the ozone layer : Not available

Other adverse effects : May cause pH changes in aqueous ecological systems. Before neutralisation, the product may represent a danger to aquatic organisms.

## 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.

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.

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## SECTION 14: Transport information

In accordance with IMDG / IATA / ANTT

### 14.1 National and international Regulations

#### Overland transport

Proper Shipping Name (ANTT) : Not applicable  
Dangerous for the environment : No

#### Transport by sea

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

#### Air transport

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

### 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 November 3, 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.