

Product: LUBRAX GEAR MO 2200 AP

SDS ID: 1000857

Revision date: 27/05/2025

## SECTION 1: Identification

### 1.1. GHS Product identifier

Product form : Mixture  
Product name : LUBRAX GEAR MO 2200 AP  
Product code : 1000857  
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

### 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)

Skin corrosion/irritation, Category 1B

Serious eye damage/eye irritation, Category 1

Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Specific target organ toxicity – Repeated exposure, Category 2

Aspiration hazard, Category 1

Hazardous to the aquatic environment - Chronic Hazard, Category 1

Product: LUBRAX GEAR MO 2200 AP

SDS ID: 1000857

Revision date: 27/05/2025

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

#### GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H304 - May be fatal if swallowed and enters airways  
 H314 - Causes severe skin burns and eye damage  
 H335 - May cause respiratory irritation  
 H373 - May cause damage to organs through prolonged or repeated exposure.  
 H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS BR)

Prevention

: P260 - Do not breathe dust, fume, gas, mist, vapours or spray.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

Response

: P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor.  
 P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 - Immediately call a POISON CENTER or a doctor.  
 P312 - Call a POISON CENTER or a doctor if you feel unwell.  
 P314 - Get medical advice or attention as appropriate.  
 P321 - Specific treatment (see supplemental first aid instruction on this label).  
 P331 - Do NOT induce vomiting.  
 P363 - Wash contaminated clothing before reuse.  
 P391 - Collect spillage.

Storage

: P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P405 - Store locked up.

Disposal

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

Product: LUBRAX GEAR MO 2200 AP

SDS ID: 1000857

Revision date: 27/05/2025

## 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

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

This mixture does not contain any substances to be mentioned according to ABNT NBR 14725.

## 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. Immediately call a POISON CENTER/doctor. Give oxygen or artificial respiration if necessary.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. 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	: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting because of corrosive effects. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk.

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

Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure. Causes severe skin burns and eye damage. May cause respiratory irritation. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/effects after skin contact	: Highly corrosive to skin. Causes severe burns. irritation (itching, redness, blistering).

**Product: LUBRAX GEAR MO 2200 AP**

**SDS ID: 1000857**

**Revision date: 27/05/2025**

Symptoms/effects after eye contact : Causes serious eye burns. stinging. redness, itching, tears. Causes serious eye damage.

Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Risk of lung oedema.

#### 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. In case of fire, corrosive gases come free.

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. May be harmful to aquatic organisms, to flora, to soil organisms. Clean up any spills as soon as possible, using an absorbent material to collect it. 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.

**Product: LUBRAX GEAR MO 2200 AP**

**SDS ID: 1000857**

**Revision date: 27/05/2025**

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

Very toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment. Do not allow to enter drains or water courses. 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 : Clean contaminated surfaces with an excess of water. Take up liquid spill into absorbent material.

## 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. Do not get in eyes, on skin, or on clothing. Ensure good ventilation of the work station. Wear personal protective equipment. Keep only in original container. Do not handle until all safety precautions have been read and understood.

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 : Store locked up. Store in tightly closed, leak-proof containers.

Storage conditions : Keep cool. Protect from sunlight. Store in a well-ventilated place. Keep cool.

Packaging materials : Store always product in container of same material as original container.

Product: LUBRAX GEAR MO 2200 AP

SDS ID: 1000857

Revision date: 27/05/2025

## 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.

### 8.3. Individual protection measures

#### Personal protective equipment:

Corrosionproof clothing.

#### Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

#### Eye protection:

Wear closed safety glasses

#### Skin and body protection:

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	: Semi-solid.
Colour	: Black
Odour	: Typical of lubricant oil

**Product: LUBRAX GEAR MO 2200 AP****SDS ID: 1000857****Revision date: 27/05/2025**

Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 190 °C
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	: Not available
Density	: Not available
Solubility	: Water:
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Kinematic Viscosity (40 °C)	: = 2200 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	: On exposure to high temperature, may decompose, releasing corrosive gases.
Incompatible materials	: Strong oxidizing agents.
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

**Product: LUBRAX GEAR MO 2200 AP****SDS ID: 1000857****Revision date: 27/05/2025****SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity (oral) : Not classified.

Acute toxicity (dermal) : Not classified.

Acute toxicity (inhalation) : Not available

**LUBRAX GEAR MO 2200 AP**

LD50 oral rat &gt; 5000 mg/kg

LD50 dermal rat &gt; 2000 mg/kg

Skin corrosion/irritation : Causes severe skin burns.

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation : Not available

Germ cell mutagenicity : Not available

Carcinogenicity : Not available

Reproductive toxicity : Not available

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

Other information : This mixture does not contain carcinogenic ingredients. The mineral oils present in the product are highly refined and contain &lt;3% DMSO extract (IP 346).

**LUBRAX GEAR MO 2200 AP**Kinematic Viscosity (40 °C) = 2200 mm<sup>2</sup>/s**11.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects : May cause damage to organs through prolonged or repeated exposure. Causes severe skin burns and eye damage. May cause respiratory irritation. May be fatal if swallowed and enters airways.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.



**Product: LUBRAX GEAR MO 2200 AP**

**SDS ID: 1000857**

**Revision date: 27/05/2025**

Symptoms/effects after skin contact : Highly corrosive to skin. Causes severe burns. irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Causes serious eye burns. stinging. redness, itching, tears. Causes serious eye damage.

Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Risk of lung oedema.

## 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) : Very toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

#### LUBRAX GEAR MO 2200 AP

Persistence and degradability	Biodegradable in water.
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### 12.3. Bioaccumulative potential

No additional information available

### 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.

Product: LUBRAX GEAR MO 2200 AP

SDS ID: 1000857

Revision date: 27/05/2025

## 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 : Yes

#### 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

Product: LUBRAX GEAR MO 2200 AP

SDS ID: 1000857

Revision date: 27/05/2025

## 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.