

Product: LUBRAX GRANS HEAVY 46

SDS ID: 1025531

Revision date: 21/05/2025

## SECTION 1: Identification

### 1.1. GHS Product identifier

Product form : Mixture  
Product name : LUBRAX GRANS HEAVY 46  
Product code : 1025531  
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)

Hazardous to the aquatic environment - Acute Hazard, Category 3

Hazardous to the aquatic environment - Chronic Hazard, Category 3

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

GHS BR labelling

Hazard statements (GHS BR) : H412 - Harmful to aquatic life with long lasting effects

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Precautionary statements (GHS BR)

Prevention : P273 - Avoid release to the environment.

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

### 3.2. Mixtures

| Name                                                   | GHS Product identifier | %         | Classification according to GHS BR (ABNT NBR 14725: 2023)               |
|--------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------|
| 2,6-di-tert-butylphenol                                | CAS-No.: 128-39-2      | 0,2 - 0,4 | Skin Irrit. 2, H315<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Distillates (petroleum), hydrotreated heavy paraffinic | CAS-No.: 64742-54-7    | 0,1 - 0,3 | Not classified                                                          |

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 : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

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.

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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 : 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 : No fire hazard.

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 : 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.

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

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## 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

## 6.2. Environmental precautions

Harmful 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. Harmful to aquatic life. 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 : 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 : 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 : Do not eat, drink or smoke when using this product.

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

Technical measures : Store in tightly closed, leak-proof containers.  
Storage conditions : Store in a well-ventilated place. Keep cool.  
Packaging materials : Store always 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>                                                             |

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## 8.2. Appropriate engineering controls

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

## 8.3. Individual protection measures

### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

#### Eye protection:

Wear security glasses which protect from splashes

#### Skin and body protection:

Wear suitable protective clothing

#### 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                   |
| Colour                                        | : Yellowish to 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                                   | : 225 °C (COC)             |
| Relative evaporation rate<br>(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                                | : ≈ 0,8576 (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)                     | : ≈ 47,2 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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|                                           |                             |
|-------------------------------------------|-----------------------------|
| <b>2,6-di-tert-butylphenol (128-39-2)</b> |                             |
| LD50 dermal rat                           | > 1000 mg/kg Source: IUCLID |

|                                                                            |                                                                                          |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b> |                                                                                          |
| LD50 oral rat                                                              | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit                                                         | > 5000 mg/kg Source: IUCLID                                                              |

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

STOT-single exposure : Not available

STOT-repeated exposure : Not available

|                                                                            |                                                                                                                                         |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b> |                                                                                                                                         |
| LOAEL (oral, rat, 90 days)                                                 | 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study 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 &lt;3% DMSO extract (IP 346).

|                              |                           |
|------------------------------|---------------------------|
| <b>LUBRAX GRANS HEAVY 46</b> |                           |
| Kinematic Viscosity (40 °C)  | ≈ 47,2 mm <sup>2</sup> /s |

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

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 : None under normal conditions.

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Symptoms/effects after ingestion : None under normal conditions.

**SECTION 12: Ecological information****12.1. Toxicity**

Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

**2,6-di-tert-butylphenol (128-39-2)**

EC50 - Crustacea [1] 0,45 mg/l Source: IUCLID

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

LC50 - Fish [1] &gt; 5000 mg/l

EC50 - Crustacea [1] &gt; 1000 mg/l Source: IUCLID

EC50 96h - Algae [1] &gt; 1000 mg/l Source: IUCLID

**12.2. Persistence and degradability****LUBRAX GRANS HEAVY 46**

Persistence and degradability Rapidly degradable

**12.3. Bioaccumulative potential****2,6-di-tert-butylphenol (128-39-2)**

Partition coefficient n-octanol/water (Log Pow) 4,92

**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

**SECTION 13: Disposal considerations**

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|                                            |                                                                                    |
|--------------------------------------------|------------------------------------------------------------------------------------|
| 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.                                                  |

## SECTION 14: Transport information

In accordance with IMDG / IATA / ANTT

### 14.1 National and international Regulations

#### Overland transport

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

#### 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 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.