

**Product: LUBRAX BETUMEN 500****SDS ID: 1002255****Revision date: 24/08/2023****SECTION 1: Identification of Product and Company****1.1. Product identifier**

Product name : LUBRAX BETUMEN 500  
Product code : 1002255  
Recommended use : Asphaltic base grease for open gears and steel cables

**1.2. Company identification**

Name of company : Vibra Energia S.A.  
Address : Rua Correia Vasques, 250  
Rio de Janeiro  
Brasil  
20.211-140  
  
SAC : 4090 1337 (capitais ou regiões metropolitanas) ou 0800 770 1337  
(demais regiões)  
Emergency telephone number : 0800 024 44 33 - CAE (Central de apoio a emergências), para vazamentos, derramamentos e outros acidentes que necessitem de suporte emergencial.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to GHS BR (ABNT NBR 14725)**

Skin corrosion/irritation, Category 2

Serious eye damage/eye irritation, Category 2A

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

Specific target organ toxicity - Repeated exposure, Category 2

**2.2. Label elements****GHS BR labelling**

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Warning

Hazard statements (GHS BR)

: H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H373 - May cause damage to organs through prolonged or repeated exposure.

**Product: LUBRAX BETUMEN 500****SDS ID: 1002255****Revision date: 24/08/2023****Precautionary statements (GHS BR)****Prevention**

- : P260 - Do not breathe mist and vapours.  
P261 - Avoid breathing mist and vapours.  
P264 - Wash the exposed areas thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing and eye protection.

**Resposta a Emergência**

- : P302+P352 - IF ON SKIN: Wash with plenty of water and soap.  
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.  
P312 - Call a POISON CENTER or doctor if you feel unwell.  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment: In the event of spillage contact the customer attendance service.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
Storage : P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
Disposição : P501 - Dispose of contents and container in accordance with local regulations.

**Storage****Disposição****2.3. Other hazards not contributing to the classification**

No additional information available

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

Not applicable

**3.2. Mixtures**

Name	Product identifier	%	Classification according to GHS BR (ABNT NBR 14725)
Asphalt	CAS-No.: 8052-42-4	≥ 80	Not classified

**Comments**

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

**Product: LUBRAX BETUMEN 500****SDS ID: 1002255****Revision date: 24/08/2023****SECTION 4: First aid measures****4.1. Description of 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. Give oxygen or artificial respiration if necessary. Immediately call a POISON CENTER/doctor.
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, both acute and delayed**

Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure. May cause severe burns. Causes serious eye irritation. May cause respiratory irritation.
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	: Causes skin irritation. irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Causes serious eye irritation. stinging. redness, itching, tears.
Symptoms/effects after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Notes to physician	: Treat symptomatically
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media	: Water spray. earth, sand, dry chemical powder or foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

**5.2. Special hazards arising from the substance or mixture**

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

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### 5.3. Advice for firefighters

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.
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#### 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.

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

For containment	: Using a clean shovel, put the material in a dry container and cover without compressing it. Stop leak without risks if possible.
Methods for cleaning up	: Clean contaminated surfaces with an excess of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

**Product: LUBRAX BETUMEN 500****SDS ID: 1002255****Revision date: 24/08/2023****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	: 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	: 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**

<b>Asphalt (8052-42-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Asphalt (Bitumen) fumes, as benzene-soluble aerosol
ACGIH OEL TWA	0,5 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT & eye irr. Notations: A4 (Not classifiable as a Human Carcinogen); BEIP
Regulatory reference	ACGIH 2023

**Exposure limit for mists/aerosols that may form while using this product:****8.2. Exposure 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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**Product: LUBRAX BETUMEN 500****SDS ID: 1002255****Revision date: 24/08/2023****8.3. Personal protective equipment****Personal protective equipment:**

Wear recommended personal protective equipment.

**Hand protection:**

Protective gloves made of PVC

**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. Information on basic physical and chemical properties**

Physical state	: Solid
Appearance	: Semi-solid. Black.
Colour	: Black
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not available

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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
Solubility	: Water:
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Kinematic Viscosity (40°C)	: = 1006 cSt
Viscosity, dynamic	: Not available

**9.2. Other information**

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

**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

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<b>LUBRAX BETUMEN 500</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

<b>Asphalt (8052-42-4)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 0,0944 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

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.

<b>Asphalt (8052-42-4)</b>	
LOAEC (inhalation, rat,dust/mist/fume, 90 days)	0,0207 mg/l air Animal: rat, Guideline: other:OECD 451

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).

<b>LUBRAX BETUMEN 500</b>	
Kinematic Viscosity (40° C)	= 1006 mm <sup>2</sup> /s

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



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Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure. May cause severe burns. Causes serious eye irritation. May cause respiratory irritation.
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	: Causes skin irritation. irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Causes serious eye irritation. stinging, redness, itching, tears.
Symptoms/effects after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not available
Hazardous to the aquatic environment, long-term (chronic)	: Not available

### 12.2. Persistence and degradability

No additional information available

### 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
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## SECTION 13: Disposal considerations

Regional legislation (waste)	: 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	: Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.

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Additional information : Do not re-use empty containers.

## SECTION 14: Transport information

### 14.1 National and international Regulations

Not classified as dangerous for transport in the different modes, but may be harmful in the event of an accident. For further information, please consult Section 2 in this MSDS.

### 14.2 Other information

No additional information available

## SECTION 15: Regulatory information

### 15.1. National regulations

Brazil Local Regulations

: Norma ABNT NBR 14725.

Decreto Federal nº 2.657, de 3 de julho de 1998 - Promulga a Convenção nº 170 da OIT, relativa à Segurança na Utilização de Produtos Químicos no Trabalho, assinada em Genebra, em 25 de junho de 1990.

Portaria nº 229, de 24 de maio de 2011 - Altera a Norma Regulamentadora nº 27

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

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.