

**Product: LUBRAX CALCIUM ZN 1**

SDS ID: 1002247

Revision date: 24/08/2023

**SECTION 1: Identification of Product and Company****1.1. Product identifier**

Product name : LUBRAX CALCIUM ZN 1  
Product code : 1002247  
Recommended use : Calcium complex soap based synthetic grase

**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

Hazardous to the aquatic environment - Acute Hazard, Category 3

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

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Warning

Hazard statements (GHS BR)

: H315 - Causes skin irritation.  
H402 - Harmful to aquatic life

Precautionary statements (GHS BR)

Prevention

: P264 - Wash the exposed areas thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing and eye protection.

**Product: LUBRAX CALCIUM ZN 1****SDS ID: 1002247****Revision date: 24/08/2023**

Resposta a Emergência : P302+P352 - IF ON SKIN: Wash with plenty of water and soap.  
P321 - Specific treatment: In the event of spillage contact the customer attendance service.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

Disposição : P501 - Dispose of contents and container in accordance with local regulations.

**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)
Calcium dihydroxide	CAS-No.: 1305-62-0	1 - 5	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 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 : 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, both acute and delayed**

Symptoms/effects : May cause severe burns.

**Product: LUBRAX CALCIUM ZN 1**

**SDS ID: 1002247**

**Revision date: 24/08/2023**

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	: May cause eye irritation.
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

### SECTION 5: Firefighting measures

#### 5.1. 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. 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.

#### 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.

### 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.
------------------	---

**Product: LUBRAX CALCIUM ZN 1**

**SDS ID: 1002247**

**Revision date: 24/08/2023**

## 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. 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. 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 material 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     | : 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 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 CALCIUM ZN 1**

SDS ID: 1002247

Revision date: 24/08/2023

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****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.

**8.3. Personal protective equipment****Personal protective equipment:**

Wear recommended personal protective equipment.

**Hand protection:**

Protective gloves made of PVC

**Eye protection:**

Wear security glasses which protect from splashes

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

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

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

Product: LUBRAX CALCIUM ZN 1

SDS ID: 1002247

Revision date: 24/08/2023

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Pasty.
Colour	: Grey
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: 220 °C Base oil (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	: 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)	: Not available
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.

**Product: LUBRAX CALCIUM ZN 1****SDS ID: 1002247****Revision date: 24/08/2023**

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	: 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 available
Acute toxicity (inhalation)	: Not available

LUBRAX CALCIUM ZN 1	
LD50 oral rat	> 5000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
---------------------------	---------------------------

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
------------------------	-----------------

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).
-------------------	---

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

Symptoms/effects	: May cause severe burns.
------------------	---------------------------

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).
-------------------------------------	--

**Product: LUBRAX CALCIUM ZN 1****SDS ID: 1002247****Revision date: 24/08/2023**

Symptoms/effects after eye contact : May cause eye irritation.  
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) : Harmful to aquatic life.  
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

## 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 : Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.

## SECTION 14: Transport information



**Product: LUBRAX CALCIUM ZN 1**

**SDS ID: 1002247**

**Revision date: 24/08/2023**

## 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.