

Product: LUBRAX GOLD 80W90**SDS ID: 1000233****Revision date: 07/08/2023****SECTION 1: Identification of Product and Company****1.1. Product identifier**

Product name : LUBRAX GOLD 80W90
Product code : 1000233
Recommended use : Lubricant oil.

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 sensitisation, Category 1

2.2. Label elements**GHS BR labelling**

Hazard pictograms (GHS BR)



Signal word (GHS BR) : Warning

Hazard statements (GHS BR) : H317 - May cause an allergic skin reaction.

Precautionary statements (GHS BR)

Prevention

: P261 - Avoid breathing mist and vapours.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing and eye protection.
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

Product: LUBRAX GOLD 80W90

SDS ID: 1000233

Revision date: 07/08/2023

attendance service.
P333+P313 - If skin irritation or rash 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)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	CAS-No.: 72623-87-1	10 - 20	Not classified
Olefin sulfide	CAS-No.: 68937-96-2	2 - 5	Skin Irrit. 3, H316 Skin Sens. 1B, H317 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)	CAS-No.: Confidencial	0,5 - 2	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Mineral oil	CAS-No.: Confidencial	0,5 - 2	Asp. Tox. 1, H304
Magnesium Borate	CAS-No.: Confidencial	< 0,5	Skin Irrit. 3, H316 Skin Sens. 1B, H317

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

Product: LUBRAX GOLD 80W90

SDS ID: 1000233

Revision date: 07/08/2023

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: People with over sensibility problems are not allowed to work or be exposed to the product.
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. If skin irritation or rash occurs: Get medical advice/attention.
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 an allergic skin reaction.
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	: Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
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

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 ₂).
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.

Product: LUBRAX GOLD 80W90

SDS ID: 1000233

Revision date: 07/08/2023

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 | : Wear recommended personal protective equipment. |

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. 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 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 | : Absorb spilled material with sand or earth. |

Product: LUBRAX GOLD 80W90

SDS ID: 1000233

Revision date: 07/08/2023

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	: Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. Keep only in original container. Do not handle until all safety precautions have been read and understood.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Store locked up.
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

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Mineral oil, excluding metal working fluids Pure, highly and severely refined
ACGIH OEL TWA	5 mg/m ³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023

Exposure limit for mists/aerosols that may form while using this product:

Name	Mineral oil, excluding working fluids - poorly and mildly refined
TWA - (ACGIH, 2023)	5 ppm

8.2. Exposure controls

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

Product: LUBRAX GOLD 80W90**SDS ID: 1000233****Revision date: 07/08/2023****8.3. Personal protective equipment****Personal protective equipment:**

Wear recommended personal protective equipment.

Hand protection:

Nitrile rubber gloves

Eye protection:

Wear security glasses which protect from splashes

Skin and body protection:

Chemical resistant safety shoes. Long sleeved protective clothing. Chemical resistant apron

Respiratory protection:

No respiratory protection needed under normal use conditions

Personal protective equipment symbol(s):**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Clear and Bright 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	: 208 °C (COC)

Product: LUBRAX GOLD 80W90**SDS ID: 1000233****Revision date: 07/08/2023**

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	: 0,89 (20/4°C)
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)	: 136 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	: 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

Product: LUBRAX GOLD 80W90

SDS ID: 1000233

Revision date: 07/08/2023

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
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)

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) (Confidential)

ATE BR (oral)	500 mg/kg bodyweight
---------------	----------------------

Mineral oil (Confidential)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 5000 mg/m ³

Skin corrosion/irritation : Not available

Serious eye damage/irritation : Not available

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not available

Carcinogenicity : Not available

Reproductive toxicity : Not available

STOT-single exposure : Not available

STOT-repeated exposure : Not available

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
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)

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 GOLD 80W90	
Kinematic Viscosity (40 °C)	136 mm ² /s

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
Kinematic Viscosity (40 °C)	1,99 - 847 mm ² /s Temp.: '40 °C' Parameter: 'mm ² /s'

Product: LUBRAX GOLD 80W90**SDS ID: 1000233****Revision date: 07/08/2023****11.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects	: May cause an allergic skin reaction.
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	: Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: None under normal conditions.

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

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) (Confidential)

LC50 - Fish [1]	= 8,5 mg/l
LC50 - Other aquatic organisms [1]	= 24 mg/l
EC50 - Crustacea [1]	= 91,4 mg/l
EC50 96h - Algae [1]	= 6,4 mg/l
NOEC (chronic)	= 1,7 mg/l
NOEC chronic fish	= 3,2 mg/l
NOEC chronic crustacea	= 0,12 mg/l
NOEC chronic algae	= 1,7 mg/l

Mineral oil (Confidential)

LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 10000 mg/l
EC50 72h - Algae [1]	> 100 mg/l
NOEC chronic crustacea	> 10 mg/l

12.2. Persistence and degradability

No additional information available

Product: LUBRAX GOLD 80W90

SDS ID: 1000233

Revision date: 07/08/2023

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

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

Product: LUBRAX GOLD 80W90

SDS ID: 1000233

Revision date: 07/08/2023

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.