

Product: LUBRAX OB GIII 4

SDS ID: 1020952

Revision date: 6/22/2025

SECTION 1: Identification

1.1. GHS Product identifier

Product form	: Substance
Substance name	: LUBRAX OB GIII 4
CAS-No.	: 72623-87-1
Product code	: 1020952
Product group	: Raw material

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
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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)
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Emergency telephone number	: 0800 024 44 33
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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.
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SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725: 2023)

Aspiration hazard, Category 1

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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

Precautionary statements (GHS BR)

Response

: P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor.

P331 - Do NOT induce vomiting.

Storage

: 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.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name

: LUBRAX OB GIII 4

CAS-No.

: 72623-87-1

Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	CAS-No.: 72623-87-1	100	Not classified

Comments

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

3.2. Mixtures

Not applicable

Product: LUBRAX OB GIII 4**SDS ID: 1020952****Revision date: 6/22/2025****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/risk of damage to lungs exceeds poisoning risk.

4.2. Most important symptoms and effects, acute and delayed

Symptoms/effects	: May be fatal if swallowed and enters airways.
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	: Risk of lung oedema.

4.3. Indication of any immediate medical attention and special treatment needed, if necessary

Notes to physician	: Treat symptomatically
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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 ₂).
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.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : 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 : 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 materials for containment and cleaning up

For containment : Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
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 : Do not get in eyes, on skin, or on clothing. Keep only in original container. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the 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.

Product: LUBRAX OB GIII 4**SDS ID: 1020952****Revision date: 6/22/2025****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® TLV® 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 2024

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:

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

Product: LUBRAX OB GIII 4**SDS ID: 1020952****Revision date: 6/22/2025****Personal protective equipment symbol(s):**

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Solid
Colour	: Colorless to yellow
Odour	: Typical of lubricant oil
Odour threshold	: Not available
pH	: Not available
Melting point	: -12 °C
Freezing point	: Not available
Boiling point	: 350
Flash point	: ≥ 220 °C D-92
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: < 0.01
Relative vapour density at 20 °C	: Not applicable
Relative density	: Not available
Density	: ≈ 0.837 15 °C
Solubility	: Not available
Partition coefficient n-octanol/water (Log Pow)	: > 6
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
Kinematic Viscosity (40 °C)	: ≥ 20 cSt
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle specific surface area	: Not available

9.2. Data relevant with regard to physical hazard classes

No additional information available

Product: LUBRAX OB GIII 4**SDS ID: 1020952****Revision date: 6/22/2025****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	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Incompatible materials	: No additional information available.
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 classified.

LUBRAX OB GIII 4 (72623-87-1)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.53 mg/m ³

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)
LD50 dermal rabbit	> 2000 mg/kg Source: IUCLID
LC50 Inhalation - Rat (Dust/Mist)	2.18 mg/l Source: IUCLID

Skin corrosion/irritation	: Not available
Serious eye damage/irritation	: Not available
Respiratory or skin sensitisation	: Not available
Germ cell mutagenicity	: Not available

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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)
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 : May be fatal if swallowed and enters airways.

Other information : This mixture does not contain carcinogenic ingredients.

LUBRAX OB GIII 4 (72623-87-1)	
Kinematic Viscosity (40°C)	≥ 20 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'

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

Symptoms/effects : May be fatal if swallowed and enters airways.

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 : Risk of lung oedema.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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

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

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Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)	
LC50 - Fish [1]	> 5000 mg/l Source: IUCLID
EC50 - Crustacea [1]	> 1000 mg/l Source: IUCLID

12.2. Persistence and degradability

LUBRAX OB GIII 4 (72623-87-1)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

LUBRAX OB GIII 4 (72623-87-1)	
Partition coefficient n-octanol/water (Log Pow)	> 6

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

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**

Proper Shipping Name (ANTT)	: Not applicable
Dangerous for the environment	: No

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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

SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations	: Resolution no. 5998, of 03 November 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.
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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.