

Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90

SDS ID: 1025435

Revision date: 27/09/2024

## SECTION 1: Identification

### 1.1. GHS Product identifier

Product form : Mixture  
Product name : ÓLEO PARA ENGRENAGENS API GL-5 80W90  
Product code : 1025435  
Product group : Produtos experimentais ou restritos

### 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)

Skin sensitisation, Category 1

Hazardous to the aquatic environment - Acute Hazard, Category 2

Hazardous to the aquatic environment - Chronic Hazard, Category 3

Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90

SDS ID: 1025435

Revision date: 27/09/2024

## 2.2. GHS Label elements, including precautionary statements

## GHS BR labelling

Hazard pictograms (GHS BR)

:



Signal word (GHS BR)

: Warning

Hazard statements (GHS BR)

: H317 - May cause an allergic skin reaction

H401 - Toxic to aquatic life

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS BR)

Prevention

: P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.

Response

: P302+P352 - IF ON SKIN: Wash with plenty of water.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

Disposal

: P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or 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)
Olefin sulfide	CAS-No.: 68937-96-2	2 - 3	Skin Irrit. 3, H316 Skin Sens. 1B, H317 Aquatic Acute 3, H402 Aquatic Chronic 3, H412

Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90

SDS ID: 1025435

Revision date: 27/09/2024

Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
Alkenyl amine	CAS-No.: Confidencial	0,1 - 0,4	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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 : 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, 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, if necessary

Notes to physician : Treat symptomatically

Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90

SDS ID: 1025435

Revision date: 27/09/2024

## 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 : In case of fire and/or explosion do not breathe fumes.
- 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 : 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.

#### 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

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. Toxic to aquatic life. Notify authorities if product enters sewers or public waters.

Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90

SDS ID: 1025435

Revision date: 27/09/2024

## 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 : Absorb spilled material with sand or earth. 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. Contaminated work clothing should not be allowed out of the workplace. 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 : 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. 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.

## 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 working fluids - poorly and mildly refined
TWA - (ACGIH, 2023)	5 ppm

### 8.2. Appropriate engineering controls

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

**Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90**

**SDS ID: 1025435**

**Revision date: 27/09/2024**

## 8.3. Individual protection measures

### 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. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear and Bright Liquid.
Colour	: light 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	: 230 °C (COC)
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available

**Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90**

**SDS ID: 1025435**

**Revision date: 27/09/2024**

Relative vapour density at 20 °C	: Not available
Relative density	: 0,888 (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)	: 146,3 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

#### Alkenyl amine (Confidencial)

ATE BR (oral)	500 mg/kg bodyweight
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**Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90**

**SDS ID: 1025435**

**Revision date: 27/09/2024**

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

<b>Alkenyl amine (Confidencial)</b>	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not available

<b>Alkenyl amine (Confidencial)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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>ÓLEO PARA ENGRENAGENS API GL-5 80W90</b>	
Kinematic Viscosity (40 °C)	146,3 mm <sup>2</sup> /s

## 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)	: Toxic to aquatic life.
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**Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90**

**SDS ID: 1025435**

**Revision date: 27/09/2024**

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

Alkenyl amine (Confidencial)	
LC50 - Fish [1]	= 0,9 mg/l
EC50 - Crustacea [1]	= 0,011 mg/l
EC50 72h - Algae [1]	> 0,1 mg/l
NOEC chronic crustacea	= 0,013 mg/l

## 12.2. Persistence and degradability

ÓLEO PARA ENGRENAGENS API GL-5 80W90	
Persistence and degradability	Rapidly degradable

## 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 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

**Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90**

**SDS ID: 1025435**

**Revision date: 27/09/2024**

## 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	: 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.
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## SECTION 16: Other information

No additional information available

Safety Data Sheet (SDS), Brazil

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**Product: ÓLEO PARA ENGRENAGENS API GL-5 80W90**

**SDS ID: 1025435**

**Revision date: 27/09/2024**

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.