

Product: LUBRAX VALORA FLEX 5W-40

SDS ID: 1024159

Revision date: 22/05/2025

## SECTION 1: Identification

### 1.1. GHS Product identifier

|               |                            |
|---------------|----------------------------|
| Product form  | : Mixture                  |
| Product name  | : LUBRAX VALORA FLEX 5W-40 |
| Product code  | : 1024159                  |
| Product group | : Produtos comerciais      |

### 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<br>Rio de Janeiro<br>Brasil<br>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 corrosion/irritation, Category 2

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## 2.2. GHS Label elements, including precautionary statements

### GHS BR labelling

Hazard pictograms (GHS BR)

:



Signal word (GHS BR)

: Warning

Hazard statements (GHS BR)

: H315 - Causes skin irritation

Precautionary statements (GHS BR)

Prevention

: P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P332+P313 - If skin irritation occurs: Get medical advice or attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

Response

## 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) |
|--------------------------------------------------------|-----------------------------------------------------------|---------|-----------------------------------------------------------|
| Additive package                                       | -                                                         | 10 - 20 | Skin Irrit. 2, H315<br>Aquatic Chronic 3, H412            |
| Distillates (petroleum), hydrotreated light paraffinic | CAS-No.: 64742-55-8                                       | 4 - 10  | Asp. Tox. 1, H304                                         |
| Mineral oil                                            | CAS-No.: 64742-54-7, 64742-65-0, 64742-55-8, e 64742-56-9 | 4 - 10  | Asp. Tox. 1, H304                                         |

Comments

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

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## 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   | : 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, 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).                                                                                                    |
| 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, if necessary

|                    |                         |
|--------------------|-------------------------|
| Notes to physician | : Treat symptomatically |
|--------------------|-------------------------|

## 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. |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

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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. 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. 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 : 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.

## 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.

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## 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

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

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| Name                | Mineral oil, excluding metal working fluids - pure, highly and severely refined |
| TWA - (ACGIH, 2024) | 5 mg/m <sup>3</sup>                                                             |

### 8.2. Appropriate engineering controls

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|

### 8.3. Individual protection measures

#### 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

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|                                                    |                            |
|----------------------------------------------------|----------------------------|
| Physical state                                     | : Liquid                   |
| Appearance                                         | : Clear 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                                        | : 235 °C (COC)             |
| Relative evaporation rate<br>(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                                   | : ≈ 0,86 (20/4°C)          |
| Density                                            | : Not available            |
| Solubility                                         | : Not available            |
| Partition coefficient n-octanol/water<br>(Log Kow) | : Not available            |
| Auto-ignition temperature                          | : Not available            |
| Decomposition temperature                          | : Not available            |
| Kinematic Viscosity (40°C)                         | : ≈ 87 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

**Product: LUBRAX VALORA FLEX 5W-40****SDS ID: 1024159****Revision date: 22/05/2025****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 |

| <b>Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)</b> |                                                                                                                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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         | : 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           |

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| <b>Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)</b> |                                                                                                                                   |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 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 : Not classified.

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 VALORA FLEX 5W-40</b> |                         |
|---------------------------------|-------------------------|
| Kinematic Viscosity (40°C)      | ≈ 87 mm <sup>2</sup> /s |

| <b>Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)</b> |                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Kinematic Viscosity (40°C)                                                 | 1,99 - 847 mm <sup>2</sup> /s Temp.: '40°C' Parameter: 'mm <sup>2</sup> /s' |

| <b>Additive package</b>    |                           |
|----------------------------|---------------------------|
| Kinematic Viscosity (40°C) | ≈ 3800 mm <sup>2</sup> /s |

## 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).

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) : Not available

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

| <b>Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)</b> |                            |
|----------------------------------------------------------------------------|----------------------------|
| LC50 - Fish [1]                                                            | > 5000 mg/l Source: IUCLID |



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| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) |              |
|---------------------------------------------------------------------|--------------|
| LC50 - Other aquatic organisms [1]                                  | > 10 mg/l    |
| EC50 - Crustacea [1]                                                | > 10000 mg/l |
| NOEC chronic crustacea                                              | = 10 mg/l    |

**12.2. Persistence and degradability**

| LUBRAX VALORA FLEX 5W-40      |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

**12.3. Bioaccumulative potential**

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) |                        |
|---------------------------------------------------------------------|------------------------|
| 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             |

**Transport by sea**

|               |                  |
|---------------|------------------|
| UN-No. (IMDG) | : Not applicable |
|---------------|------------------|

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|                             |                  |
|-----------------------------|------------------|
| 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.

## **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.