

Product: LUBRAX TURBINA X 46 (EF)

SDS ID: 1022663

Revision date: 23/05/2025

SECTION 1: Identification

1.1. GHS Product identifier

Product form	: Mixture
Product name	: LUBRAX TURBINA X 46 (EF)
Product code	: 1022663
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 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)

Chemical product not classified as hazardous according to ABNT NBR 14725

2.2. GHS Label elements, including precautionary statements

GHS BR labelling

Precautionary statements (GHS BR)

Product: LUBRAX TURBINA X 46 (EF)**SDS ID: 1022663****Revision date: 23/05/2025****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)
N-phenyl-1-Naphthylamine	CAS-No.: 90-30-2	< 0,2	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 STOT RE 2, H373 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	: 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. Rinse mouth out with water.

4.2. Most important symptoms and effects, acute and delayed

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	: None under normal conditions.

Product: LUBRAX TURBINA X 46 (EF)

SDS ID: 1022663

Revision date: 23/05/2025

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 (CO₂).
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.

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.

Product: LUBRAX TURBINA X 46 (EF)

SDS ID: 1022663

Revision date: 23/05/2025

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 : 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 : Keep only in original container. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Do not eat, drink or smoke when using this 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.

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, 2024)	5 ppm

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

Product: LUBRAX TURBINA X 46 (EF)**SDS ID: 1022663****Revision date: 23/05/2025****Eye protection:**

Wear security glasses which protect from splashes

Skin and body protection:

Wear suitable protective clothing

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	: 236 °C (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	: 0,88 (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

Product: LUBRAX TURBINA X 46 (EF)**SDS ID: 1022663****Revision date: 23/05/2025**

Kinematic Viscosity (40 °C) : 45 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

N-phenyl-1-Naphthylamine (90-30-2)

LD50 oral rat	> 1625 mg/kg
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male
ATE BR (oral)	500 mg/kg bodyweight

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

Product: LUBRAX TURBINA X 46 (EF)

SDS ID: 1022663

Revision date: 23/05/2025

Germ cell mutagenicity : Not available

Carcinogenicity : Not available

Reproductive toxicity : Not available

STOT-single exposure : Not available

STOT-repeated exposure : Not available

N-phenyl-1-Naphthylamine (90-30-2)	
LOAEL (oral, rat, 90 days)	5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: OECD Guideline 424 (Neurotoxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: other:, Guideline: EU Method B.43 (Neurotoxicity Study in Rodents)
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).

LUBRAX TURBINA X 46 (EF)	
Kinematic Viscosity (40 °C)	45 mm ² /s

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

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 : None under normal conditions.

SECTION 12: Ecological information

12.1. Toxicity

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

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

Product: LUBRAX TURBINA X 46 (EF)**SDS ID: 1022663****Revision date: 23/05/2025**

N-phenyl-1-Naphthylamine (90-30-2)	
LC50 - Fish [1]	0,44 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0,3 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	0,96 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	0,34 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	0,1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

LUBRAX TURBINA X 46 (EF)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

N-phenyl-1-Naphthylamine (90-30-2)	
Partition coefficient n-octanol/water (Log Pow)	4,47

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

Product: LUBRAX TURBINA X 46 (EF)**SDS ID: 1022663****Revision date: 23/05/2025****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

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

Product: LUBRAX TURBINA X 46 (EF)

SDS ID: 1022663

Revision date: 23/05/2025

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.