

Product: LUBRAX TRM 5 PLUS 80W90

SDS ID: 1019295

Revision date: 27/09/2024

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Product name : LUBRAX TRM 5 PLUS 80W90
Product code : 1019295
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)

Skin sensitisation, 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)

: Warning

Hazard statements (GHS BR)

: H317 - May cause an allergic skin reaction

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.
 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 advice or 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 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)
Mineral oil	CAS-No.: 64742-54-7, 64742-65-0, 64742-55-8, e 64742-56-9	0,5 - 2	Asp. Tox. 1, H304

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Name	GHS Product identifier	%	Classification according to GHS BR (ABNT NBR 14725: 2023)
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	-	0,5 - 2	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411

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

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).

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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. 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 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.

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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

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.
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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

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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	: 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	: 222 °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	: 0,9 (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)	: 178 cSt
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable

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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

Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl

ATE BR (oral)	500 mg/kg bodyweight
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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

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STOT-repeated exposure : Not available

Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat

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 TRM 5 PLUS 80W90	
Kinematic Viscosity (40°C)	178 mm ² /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) : Not classified.
 Hazardous to the aquatic environment, long-term (chronic) : Not classified.

Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	
EC50 96h - Algae [1]	6,4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [2]	15 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

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12.2. Persistence and degradability

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Persistence and degradability	Rapidly degradable
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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

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

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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

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.