

Product: LUBRAX ATF HD

SDS ID: 1023148

Revision date: 24/07/2023

SECTION 1: Identification of Product and Company

1.1. Product identifier

Product name : LUBRAX ATF HD
Product code : 1023148
Recommended use : Synthetic lubricat for automatic transmissions

1.2. Company identification

Name of company : Vibra Energia S.A.
Address : Rua Correia Vasques, 250
Rio de Janeiro
Brasil
20.211-140

SAC : 4090 1337 (capitais ou regiões metropolitanas) ou 0800 770 1337
(demais regiões)
Emergency telephone number : 0800 024 44 33 - CAE (Central de apoio a emergências), para vazamentos, derramamentos e outros acidentes que necessitem de suporte emergencial.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725)

Chemical product not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP]

2.2. Label elements

GHS BR labelling

Precautionary statements (GHS BR)

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to GHS BR (ABNT NBR 14725)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	CAS-No.: 72623-87-1	80 - 90	Not classified
Distillates (petroleum), solvent-dewaxed heavy paraffinic	CAS-No.: 64742-65-0	0,1 - 10	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light naphthenic	CAS-No.: 64742-53-6	0,5 - 2	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated light paraffinic	CAS-No.: 64742-55-8	0,5 - 2	Asp. Tox. 1, H304
long chain alkylamine thiophosphate	CAS-No.: ACC# 251617	0,5 - 2	Acute Tox. 5 (Dermal), H313
Butyl methacrylate	CAS-No.: 97-88-1	< 0,5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335

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 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 : Wash skin with plenty of water.
 First-aid measures after eye contact : Rinse eyes with water as a precaution.
 First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. 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.

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

Notes to physician : Treat symptomatically

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Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

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 : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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 : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

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6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material 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.

Other information : Dispose of materials or solid residues at an authorized site.

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 : 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 : Always wash hands after handling the product. 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 : 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

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 OEL TWA	5 mg/m ³ (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)

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

Regulatory reference	ACGIH 2023
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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, 2023)	5 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions

Personal protective equipment symbol(s):



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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Clear and Bright Liquid.
Colour	: red
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not applicable
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
Relative vapour density at 20 °C	: Not available
Relative density	: 0,84 (20/4 °C)
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)	: 34 cSt
Viscosity, dynamic	: Not available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Chemical stability : Stable under normal conditions of use.

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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

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)
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Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	= 2,18 mg/l

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

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

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)
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long chain alkylamine thiophosphate (ACC# 251617)

LD50 dermal rabbit	> 2000 mg/kg
ATE BR (dermal)	2500 mg/kg bodyweight

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

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Germ cell mutagenicity : Not available

Carcinogenicity : Not available

Reproductive toxicity : Not available

STOT-single exposure : Not available

Butyl methacrylate (97-88-1)	
STOT-single exposure	May cause respiratory irritation.

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)

Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	
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)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
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)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

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

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).

LUBRAX ATF HD	
Kinematic Viscosity (40 °C)	34 mm ² /s

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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' 'mm ² /s'

Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	
Kinematic Viscosity (40 °C)	1,99 - 847 mm ² /s Temp.: '40 °C' Parameter: 'mm ² /s' 'mm ² /s'

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Kinematic Viscosity (40 °C)	1,99 - 847 mm ² /s Temp.: '40 °C' Parameter: 'mm ² /s' 'mm ² /s'

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

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

Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 10000 mg/l
EC50 72h - Algae [1]	> 100 mg/l
NOEC chronic crustacea	= 10 mg/l

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

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Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
NOEC chronic crustacea	= 10 mg/l
long chain alkylamine thiophosphate (ACC# 251617)	
EC50 72h - Algae [1]	= 22 mg/l

12.2. Persistence and degradability

No additional information available

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 legislation (waste)	: Law No. 12.305 on the National Policy on Solid Waste Management, 02 August 2010.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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**14.1 National and international Regulations**

Not classified as dangerous for transport in the different modes, but may be harmful in the event of an accident. For further information, please consult Section 2 in this MSDS.

14.2 Other information

No additional information available

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SECTION 15: Regulatory information

15.1. National regulations

Brazil Local Regulations

: Norma ABNT NBR 14725.

Decreto Federal nº 2.657, de 3 de julho de 1998 - Promulga a Convenção nº 170 da OIT, relativa à Segurança na Utilização de Produtos Químicos no Trabalho, assinada em Genebra, em 25 de junho de 1990.

Portaria nº 229, de 24 de maio de 2011 - Altera a Norma Regulamentadora nº 27

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

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.