

Product: LUBRAX LITH 2

SDS ID: 1002241

Revision date: 09/08/2018

SECTION 1: Identification of Product and Company

1.1. Product identifier

Product name : LUBRAX LITH 2
Product code : 1002241
Recommended use : Lubricant grease

1.2. Company identification

Name of company : Petrobras Distribuidora S.A.
Address : Rua Correia Vasques
Rio de Janeiro
Brasil
20.211-140

SAC : 4090 1337 (capitais ou regiões metropolitanas) ou 0800 770 1337
(demais regiões)

Emergency telephone number : 0800 0244433

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GHS-BR (ABNT NBR 14725)

Acute toxicity (oral), Category 4

Hazardous to the aquatic environment – Acute Hazard, Category 3

2.2. Label elements

GHS-BR labelling

Hazard pictograms (GHS-BR) :



GHS07

Signal word (GHS-BR) : Warning

Hazard statements (GHS-BR) : H302 - Harmful if swallowed.
H402 - Harmful to aquatic life

Precautionary statements (GHS-BR)

Prevenção : P264 - Wash the exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.

Resposta a Emergência : P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

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Disposição : P330 - Rinse mouth.
: P501 - Dispose of contents and container in accordance with local regulations.

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS-BR (ABNT NBR 14725)
Lithium hydroxide	1310-65-2	0,1 - 5	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Seek medical attention immediately.

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.

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 : If swallowed, seek medical advice immediately and show this container or label.

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 : Harmful if swallowed. Ingestion may cause nausea and vomiting.

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

Notes to physician : Treat symptomatically

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

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.

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

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 : Wear recommended personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : 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 : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Do not allow to enter drains or water courses. Harmful to aquatic life. Do not allow product to spread into the environment. Notify authorities if product enters sewers or public waters.

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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 : Absorb spillage to prevent material damage. 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 eat, drink or smoke when using this product. 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 : 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

No additional information available

8.2. Exposure controls

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

8.3. Personal protective equipment

- Personal protective equipment : Wear recommended personal protective equipment.
- Hand protection : Protective gloves.
- 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.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Colour	: Yellow
Odour	: characteristic
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: > 220 °C
Relative evaporation rate (butylacetate=1)	: Not available
Flammability (solid, gas)	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available
Relative density	: Not available
Solubility	: Not available
Log Kow	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Kinematic Viscosity (40 °C)	:
Viscosity, dynamic	: Not available

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9.2. Other information
Not 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	: Strong oxidizing agents
Possibility of hazardous reactions	: None under normal use
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product information

Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not available
Acute toxicity (inhalation)	: Not available

LD50 oral rat	> 5000 mg/kg
ATE BR (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	: Not available
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
Aspiration hazard	: Not available

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	: Harmful if swallowed. Ingestion may cause nausea and vomiting.

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SECTION 12: Ecological information

12.1. Toxicity

Product information

Acute aquatic toxicity : Harmful to aquatic life.
Chronic aquatic toxicity : Not available

12.2. Persistence and degradability

Product information

Persistence and degradability	Biodegradable in water.
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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

No additional information available

SECTION 13: Disposal considerations

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

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.

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Overland transport

Resolução ANTT nº 5232, de 14 de dezembro de 2016 - Aprova as Instruções Complementares ao Regulamento Terrestre do Transporte de Produtos Perigosos, e dá outras providências.

Transport by sea

Direction of Ports and Coasts (Transport in Brazilian waters)

NORMAM - Maritime Authority Standards

NORMAM 01 / DPC: Employed boats in Navigation Offshore

NORMAM 02 / DPC: Employed boats in Inland Navigation

NORMAM 05 / DPC: Material Approval Standards of Maritime Authority

IMO - "International Maritime Organization" (Organização Marítima Internacional)

International Maritime Dangerous Goods Code (IMDG Code).

Air transport

IATA - "International Air Transport Association" (Associação Internacional de Transporte Aéreo)

ANAC - Resolution nº 129/ANAC of December 8, 2009

RBAC nº 175 (Brazilian Regulation of Civil Aviation) - Transport of hazardous articles in civil aircraft

IS N° 175-001 - INSTRUÇÃO SUPLEMENTAR - IS

International Civil Aviation Organization - Doc 9284-NA/905

Dangerous Goods Regulation (DGR).

14.2 Other information

No additional information available

SECTION 15: Regulatory information

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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

Res. ANTT nº 5232, de 14 de dezembro de 2016 - Aprova as Instruções Complementares ao Regulamento Terrestre do Transporte de Produtos Perigosos, e dá outras providências.

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