

Product: LUBRAX BETUMEN FLD 250

SDS ID: 1000732

Revision date: 09/08/2018

## SECTION 1: Identification of Product and Company

### 1.1. Product identifier

Product name : LUBRAX BETUMEN FLD 250  
Product code : 1000732  
Recommended use : Asphaltic base grase for open gears and steel cables

### 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)

Serious eye damage/eye irritation, Category 2A  
Germ cell mutagenicity, Category 2  
Carcinogenicity, Category 1B  
Specific target organ toxicity – Single exposure, Category 3,  
Respiratory tract irritation  
Specific target organ toxicity – Repeated exposure, Category 2  
Hazardous to the aquatic environment – Chronic Hazard, Category 3

### 2.2. Label elements

GHS-BR labelling

Hazard pictograms (GHS-BR) :



GHS07

GHS08

Signal word (GHS-BR) : Danger

Hazard statements (GHS-BR) : H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H341 - Suspected of causing genetic defects.

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H350 - May cause cancer.  
 H373 - May cause damage to organs through prolonged or repeated exposure.  
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS-BR)

Prevenção

: P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P260 - Do not breathe mist and vapours.  
 P261 - Avoid breathing mist and vapours.  
 P264 - Wash the exposed areas thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.

### 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)
Asphalt	8052-42-4	80 - 95	Not classified
1,3-Propanediamine, N-[3-(tridecyloxy)propyl]-, branched and linear, diacetate	79-01-6	10 - 30	Skin Irrit. 2, H315 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H336 Aquatic Chronic 3, H412

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
 First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Immediately call a POISON CENTER/doctor.  
 First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

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First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth out with water.

#### 4.2. Most important symptoms and effects, both acute and delayed

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 : irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Causes serious eye irritation. stinging. redness, itching, tears.

Symptoms/effects after ingestion : None under normal conditions.

Chronic symptoms : May cause cancer. May cause heritable genetic damage.

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

Notes to physician : Treat symptomatically

## SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. earth, sand, dry chemical powder or foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire and/or explosion do not breathe fumes.

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 : Use self-contained breathing apparatus and chemically protective clothing.

Other information : In case of fire, corrosive and harmful gases come free.

## SECTION 6: Accidental release measures

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## 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. 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.

### 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. Corrosionproof suit. 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 with long lasting effects. Do not allow product to spread into the environment.

## 6.3. Methods and material for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it. Stop leak without risks if possible.

Methods for cleaning up : Clean up immediately by sweeping or vacuum. Clear up rapidly by scoop or vacuum. Clean contaminated surfaces with an excess of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

# 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 : Obtain special instructions before use. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Wear personal protective equipment. Ensure good ventilation of the work station. 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.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store locked up. Store in tightly closed, leak-proof containers.

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

### 8.3. Personal protective equipment

Personal protective equipment : Wear recommended personal protective equipment.

Hand protection : Protective gloves.

Eye protection : Wear closed safety glasses.

Skin and body protection : Wear impervious rubber safety shoes.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Semi-solid. Black.

Colour : Black

Odour : characteristic

Odour threshold : Not available

pH : Not available

Melting point : Not available

Freezing point : Not available

Boiling point : Not available

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Flash point	: Not available
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)	: = 200 cSt
Viscosity, dynamic	: Not available

## 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	: On exposure to high temperature, may decompose, releasing corrosive gases
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

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Product information

Acute toxicity (oral) : Not available

Acute toxicity (dermal) : Not available

Acute toxicity (inhalation) : Not available

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Not available
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not available
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not available
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not available

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

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 : irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Causes serious eye irritation. stinging. redness, itching, tears.

Symptoms/effects after ingestion : None under normal conditions.

Chronic symptoms : May cause cancer. May cause heritable genetic damage.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Product information

Acute aquatic toxicity : Not available

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

No additional information available

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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	: Comply with applicable regulations for solid waste disposal. 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.

#### 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.

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### 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 n° 129/ANAC of December 8, 2009

RBAC n° 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*