

## Safety Data Sheet

### GAZPROMNEFT GREASE SYNTH LX EP2

Safety Data Sheet dated 5/12/2016 version 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade name: GAZPROMNEFT GREASE SYNTH LX EP2

Trade code: FO000366

Registration Number N/A

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Grease

Uses advised against: Data not available.

### 1.3. Details of the supplier of the safety data sheet

Company: Gazpromneft Lubricants Italia SpA

Via Bitritto km 7,800

70124 Bari

### 1.4. Emergency telephone number

1-760-476-3962 (America)

1-760-476-3961 (Europe, Middle East and Africa)

1-760-476-3960 (Asia Pacific)

Global Response Access Code: 333497

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Eye Irrit. 2 Causes serious eye irritation.

Aquatic Chronic 3 Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

Regulation (EC) n. 1272/2008 (CLP)

#### Pictograms and Signal Words



Warning

Code	Description
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H319	Causes serious eye irritation.
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H412	Harmful to aquatic life with long lasting effects.
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Code	Description
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P264.1	Wash thoroughly after handling.
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P273	Avoid release to the environment.
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P280	Wear protective gloves/protective clothing/eye protection/face protection.
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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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P337+P313	If eye irritation persists: Get medical advice/attention.
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P501.A	Dispose of contents/container in accordance with applicable regulations.
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**Ingredient(s) with unknown acute toxicity:**

None

**Special provisions according to Annex XVII of REACH and subsequent amendments:**

None

**2.3. Other hazards**

No PBT Ingredients are present

Other Hazards: No other hazards

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**SECTION 3: Composition/information on ingredients****3.1. Substances**

N.A.

**3.2. Mixtures**

Mixture identification: GAZPROMNEFT GREASE SYNTH LX EP2

**Hazardous components within the meaning of the CLP regulation and related classification:**

Quantity	Name	Ident. Numb.	Classification	Registration Number	Properties:
1-5 %	ZINC, BIS[O,O-BIS(2-ETHYLHEXYL) PHOSPHORODITHIOATO-S,S']-, (T-4)-	EC:224-235-5	Eye Dam. 1, H318; Aquatic Chronic 2, H411	01-2119493635-27	
0.1-1 %	ZN COMPOUND	EC:234-409-2	Skin Irrit. 2, H315; Aquatic Acute 1, H400		
0.1-1 %	PHENOLIC ANTIOXIDANT	EC:234-409-2	Aquatic Chronic 1, H410	01-2119565113-46	

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**SECTION 4: First aid measures****4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

**5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

## 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

## 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No Data Available

### 8.2. Exposure controls

Material should be handled in enclosed vessels and equipment, in which case general (mechanical) room ventilation should be sufficient. Local exhaust ventilation or adequate ventilation should be used at points where dust, mist, vapors or gases can escape into the room air.

Eye protection:

Safety Glasses.

Protection for skin:

Protection for hands:

Use nitrile or neoprene gloves. Long sleeve shirt is recommended. Wear a chemically protective when contact with material may occur. Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes. Launder contaminated clothing before reuse.

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use in ventilated area. Use respirator with a combination organic vapor and high efficiency filter cartridge just if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites

Hygienic and Technical measures

Wash thoroughly after handling this product. Do not eat, drink or smoke when using this product.

Appropriate engineering controls:

N.A.

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## SECTION 9: Physical and chemical properties

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

Physical State: Solid

Appearance and colour: Waxy beige

Odour: characteristic

Odour threshold: N.A.

pH: N.A.  
Melting point / freezing point: N.A.  
Initial boiling point and boiling range: N.A.  
Flash point: N.A.  
Evaporation rate: N.A.  
Upper/lower flammability or explosive limits: N.A.  
Vapour density: N.A.  
Vapour pressure: N.A.  
Relative density: 0.90 g/ml Notes: 25°C, DIN 51757  
Solubility in water: Insoluble  
Solubility in oil: N.A.  
Partition coefficient (n-octanol/water): N.A.  
Auto-ignition temperature: N.A.  
Decomposition temperature: N.A.  
Kinematic Viscosity at 100°C: N.A.  
Kinematic Viscosity at 40°C (mm<sup>2</sup>/s ): N.A.  
Dynamic Viscosity: N.A.  
Explosive properties: N.A.  
Oxidizing properties: N.A.  
Solid/gas flammability: N.A.  
Volatile Organic compounds - VOCs = N.A.

## 9.2. Other information

Substance Groups relevant properties N.A.  
Miscibility: N.A.  
Conductivity: N.A.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Carefully review all information provided in sections 10.2 - 10.6.

### 10.2. Chemical stability

Material is normally stable at room temperature and pressure. See Section 7 for further details.

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Do not expose to excessive heat, ignition sources, or oxidizing materials. Avoid contact with strong caustic agents.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Other potential decomposition products: sulfur acids.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Products have not been tested. Evaluation has been made through data of components.

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

ZINC, BIS[O, O-BIS(2-ETHYLHEXYL) PHOSPHORODITHIOATO-S,S']-, (T-4)-	a) acute toxicity	LD50 Rat 4.35800mg/kg
PHENOLIC ANTIOXIDANT	i) STOT-repeated exposure	LD50 Oral Rat 25.00000mg/kg 28 days
	a) acute toxicity	LD50 Oral Rat 2930.00000mg/kg
		LD50 Skin Rat 5000.00000mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation

- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
1-5 %	ZINC, BIS[O,O-BIS(2-ETHYLHEXYL) PHOSPHORODITHIOATO-S,S']-, (T-4)-	EINECS: 224-235-5	LC50 a) Aquatic acute toxicity Fish < 10.00000mg/L 96h EC50 a) Aquatic acute toxicity Daphnia < 10.00000mg/L 48h EC50 a) Aquatic acute toxicity Algae > 240.00000mg/L 72h
0.1-1 %	PHENOLIC ANTIOXIDANT	EINECS: 234-409-2	LC50 a) Aquatic acute toxicity Fish > 0.57000mg/L 96h OECD 203 EC50 a) Aquatic acute toxicity Daphnia > 0.17000mg/L 48h NOEC a) Aquatic acute toxicity Daphnia > 0.39000mg/L duration: 21 d EC50 a) Aquatic acute toxicity Algae > 0.42000mg/L 72h

### 12.2. Persistence and degradability

Component	Persistence/Degradability:	Value	Notes:
PHENOLIC ANTIOXIDANT	Non-readily biodegradable	30.000	%

### 12.3. Bioaccumulative potential

Component	Notes:
PHENOLIC ANTIOXIDANT	It could bioaccumulate in organisms

### 12.4. Mobility in soil

N.A.

Product floats on water (insoluble)and can entrap small organisms. The product could easily disperse in soil. Products have not been tested. Evaluation has been made through data of components.

### 12.5. Results of PBT and vPvB assessment

No PBT Ingredients are present

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

## SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

### 14.1. UN number

N.A.

### 14.2. UN proper shipping name

N.A.

### 14.3. Transport hazard class(es)

N.A.

### 14.4. Packing group

N.A.

### 14.5. Environmental hazards

### 14.6. Special precautions for user

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

N.A.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

N.A.

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU)2015/830

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

German Water Hazard Class.

N.A.

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained:

#### 15.2. Chemical safety assessment

Chemical Safety Assessment: No

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### SECTION 16: Other information

Code	Description
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level.  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
ES: Exposure Scenario  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: Keep away from heat  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.