



Safety Data Sheet

GAZPROMNEFT GREASE L EP 2

Safety Data Sheet dated 7/14/2015 version 1

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

1.1. Product identifier

Mixture identification:

Trade name: GAZPROMNEFT GREASE L EP 2

Trade code: FO000027

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

Recommended use: Grease

Uses advised against: N.A.

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)

0 The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

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

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH210 Safety data sheet available on request.

Contains:

REACTION PRODUCTS OF 4-METHYL-2-PENTANOL May produce an allergic reaction.
AND DIPHOSPHORUS
PENTASULFIDE, PROPOXYLATED, ESTERIFIED WITH
DIPHOSPHORUS PENTAOXIDE, AND SALTED
BYAMINES, C12-14- TERT-ALKYL

Ingredient(s) with unknown acute toxicity:

None

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

Restricted to professional users.

2.3. Other hazards

No PBT Ingredients are present

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: GAZPROMNEFT GREASE L EP 2

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

Quantity	Name	Ident. Numb.	Classification	Registration Number	Properties:
40-50 %	BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	CAS:64742-62-7 EC:265-166-0		01-2119480472-38	
20-30 %	BASE OIL-UNSPECIFIED-LUBRICATING OILS	CAS:74869-22-0 EC:278-012-2		01-2119495601-36	
0.1-1 %	REACTION PRODUCTS OF 4-METHYL-2-PENTANOL AND DIPHOSPHORUS PENTASULFIDE, PROPOXYLATED, ESTERIFIED WITH DIPHOSPHORUS PENTAOXIDE, AND SALTED BY AMINES, C12-14- TERT-ALKYL	EC:931-384-6	Acute Tox. 4, H302; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 2, H411	01-2119493620-38	

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

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

N.A.

Not known

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

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.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL(A.C.G.I.H. 2008): oil mists - TLV/TWA (8 h) : 5 mg/m³ - TLV/STEL: 10 mg/m³

List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m ³	Long Term ppm	Short Term mg/m ³	Short Term ppm	Behaviour	Note
BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	ACGIH			5.400					8H (aerosol)
BASE OIL-UNSPECIFIED-LUBRICATING OILS	ACGIH			5.400					8H (aerosol)

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.

Not needed for normal use.

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State: Solid

Appearance and colour: Viscous brown

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 kg/l (ASTM D4052 @ 15°C)

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 (mm²/s): N.A.
Dinamic 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.

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.

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:

BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	a) acute toxicity	LD50 Oral Rat > 5000.00000mg/kg
		LD50 Skin Rabbit > 2000.00000mg/kg
		LC50 Inhalation Rat > 5000.00000mg/m ³
BASE OIL-UNSPECIFIED- LUBRICATING OILS	a) acute toxicity	LD50 Oral Rat > 5000.00000mg/kg
		LD50 Skin Rabbit > 2000.00000mg/kg
		LC50 Inhalation Rat > 5000.00000mg/m ³

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

Carcinogenicity

This product contains mineral oils which are severely refined and not considered to be carcinogenic under IARC. All components in this product have been passed the test IP346 (DMSO extractible compounds less than 3%).

Skin corrosion / irritation

Avoid direct contact. Repeated or prolonged skin contact may cause irritation. Contact with heated product may cause thermal burns. Based on data from components or similar materials.

Serious eye damage / irritation

Vapors may cause eye damage/irritation. Evaluation is based on data from components or similar materials.

Respiratory Irritation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

Respiratory or skin sensitization

Skin

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

Respiratory

No data available to indicate product or components may be respiratory sensitizers.

SECTION 12: Ecological information

12.1. Toxicity

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

Eco-Toxicological Information:

List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
40-50 %	BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	CAS: 64742-62-7 - EINECS: 265-166-0	EL50 a) Aquatic acute toxicity Daphnia Daphnia magna, 48hr> 10000.00000mg/L 48h NOELR a) Aquatic acute toxicity Algae Algae> 100.00000mg/L 72h LL50 a) Aquatic acute toxicity Fish > 100.00000mg/L 96h NOELR b) Aquatic chronic toxicity Daphnia Daphnia magna, 21 days= 10.00000mg/L NOELR b) Aquatic chronic toxicity Fish = 10.00000mg/L
20-30 %	BASE OIL-UNSPECIFIED-LUBRICATING OILS	CAS: 74869-22-0 - EINECS: 278-012-2	EL50 a) Aquatic acute toxicity Daphnia Magna> 10000.00000mg/L 48h NOELR a) Aquatic acute toxicity Algae > 100.00000mg/L 72h LL50 a) Aquatic acute toxicity Fish > 100.00000mg/L 96h NOELR b) Aquatic chronic toxicity Daphnia Magna= 10.00000mg/L 21 days NOELR b) Aquatic chronic toxicity Fish = 10.00000mg/L

12.2. Persistence and degradability

Component	Persistence/Degradability:
BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	Non-readily biodegradable
BASE OIL-UNSPECIFIED-LUBRICATING OILS	Non-readily biodegradable

12.3. Bioaccumulative potential

N.A.

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.

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: 28

15.2. Chemical safety assessment

Chemical Safety Assessment: No

SECTION 16: Other information

Code	Description
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic 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.