



## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31, Annex II as amended

Page 1/7

### Grease Gazpromneft Grease L EP 00

Revision 2  
Revision date 25.12.2017

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

<b>1.1. Product Identifier</b>	
<b>Product name</b>	Gazpromneft Grease L EP 00
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
<b>Description</b>	Multipurpose EP lithium grease.
<b>1.3. Details of the supplier of the safety data sheet</b>	"Gazpromneft – lubricants", Ltd, 14/3 Krzhizhanovskogo str. 117218, Moscow- Russia. <a href="mailto:Lubricants@gazprom-neft.ru">Lubricants@gazprom-neft.ru</a> Tel. +7 495 642-99-69 (between 9 AM and 6 PM Moscow time) Fax +7 495 921-48-63
<b>Only Representative</b>	REACHLaw Ltd. Vänrikinkuja 3 JK 21 Espoo FI-02600 Finland Tel. +358(0) 9 412 3055 Email: <a href="mailto:sds@reachlaw.fi">sds@reachlaw.fi</a>
<b>1.4. Emergency telephone number</b>	1-760-476-3962 (America) 1-760-476-3961 (Europe, Middle East&Africa) 1-760-476-3960 (Asia Pacific): Global Response Access Code: 333497

#### 2. HAZARDS IDENTIFICATION

<b>2.1. Classification of the substance or mixture</b>	
<b>Regulation (EC) No 1272/2008 (CLP):</b>	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
<b>2.2. Label elements:</b>	
<b>Regulation (EC) No 1272/2008 (CLP):</b>	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). Special Provisions: EUH210: Safety data sheet available on request. <b>Contains:</b> Reaction product of 4-methyl-2-pentanol and diphosphorus pentasulfide propoxylated, esterified with diphosphorus pentoxide, and salted by amines, c-12-14 tert-alkyl. May produce an allergic reaction.
<b>Adverse physicochemical, human health and environmental effects:</b>	No other hazards
<b>Ingredient(s) with unknown acute toxicity:</b>	None
<b>2.3 Other hazards</b>	
	No Significant Hazard

#### Further information

	This substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.
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#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.1 Substances</b>	
	Not applicable: this product is regulated as a mixture.

## Grease Gazpromneft Grease L EP 00

Revision 2  
Revision date 25.12.2017

## 3.2 Mixtures (EC) No 1272/2008

Chemical Name	Index. No	CAS No	EC No	Reach Registration Number	Conc. (%w/w)	Classification
Base oil - unspecified - lubricating oils	649-484-00-0	74869-22-0	278-012-2	01-2119495601-36-0023	30-40	DECLL(*)
Base oil - unspecified - Residual oils (petroleum), solvent-dewaxed	649-471-00-X	64742-62-7	265-166-0	01-2119480472-38-0023	40-50	DECLL(*)
Lithium 12-hydroxystearate	-	7620-77-1	231-536-5	01-2119970893-23-0019	5-10	Product is not classified
Phosphorodithioic acid, mixed O,Obis (iso-Bu and pentyl) esters, zinc salts	-		270-608-0	01-2119493628-22	0.1-1.0	Aquatic Chronic 2 H411 Eye Dam. 1; H318 Skin Irrit. 2; H315
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl	-	-	931-384-6	01-2119493620-38	0.1-0.5	Acute Tox. 4; H302 Aquatic Chronic 2H411 Eye Dam. 1; H318 Skin Sens. 1; H317

(\*)DECLL Substance classified in accordance with Note L, Annex VI of EC Regulation (EC) 1272/2008.

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

**Description**

	All base oils contained in this product have a value of < 3% w DMSO extract according to IP 346/92.
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**Further information**

	Full text for all Hazard statements, mentioned in this section, are displayed in Section 16.
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**4. FIRST AID MEASURES****4.1. Description of first aid measures**

<b>In case of skin contact:</b>	Wash with plenty of water and soap.
<b>In case of eyes contact:</b>	Wash immediately with water.
<b>In case of Ingestion:</b>	Do not induce vomiting, get medical attention showing the SDS and label hazardous.
<b>In case of Inhalation:</b>	Remove casualty to fresh air and keep warm and at rest.

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

	No further relevant information available.
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**4.3. Indication of any immediate medical attention and special treatment needed**

	Seek medical attention if irritation or symptoms persist
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**5. FIRE-FIGHTING MEASURES**

<b>5.1. Extinguishing media</b>	Use extinguishing media appropriate to the surrounding fire conditions (carbon dioxide (CO <sub>2</sub> ); dry chemical; foam; sand; water spray). Extinguishing media which must not be used for safety reasons: none in particular.
<b>5.2. Special hazards arising from the substance or mixture</b>	Do not inhale explosion and combustion gases. Burning produces heavy smoke.
<b>5.3. Advice for firefighters</b>	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.

## Grease Gazpromneft Grease L EP 00

Revision 2

Revision date 25.12.2017

<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.
<b>6.2. Environmental precautions</b>	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 entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand.
<b>6.3. Methods and material for containment and cleaning up</b>	Suitable material for taking up: absorbing material, organic, sand Wash with plenty of water.
<b>6.4. Reference to other sections</b>	See also section 8 and 13
<b>7. HANDLING AND STORAGE</b>	
<b>7.1. Precautions for safe handling</b>	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.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.
<b>7.3. Specific end use(s)</b>	No further relevant information available.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>8.1. Control parameters</b>	
<b>Base oil - unspecified - lubricating oils</b>	WEL 8-hr limit mg/m <sup>3</sup> : 5.4 (aerosol)
<b>8.2. Exposure controls</b>	
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	
<b>Eye protection:</b>	Safety Glasses.
<b>Protection for skin:</b>	Use nitrile or neoprene gloves. Long sleeve shirt is recommended. Wear chemically protective clothes when contact with material may occur. Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.
<b>Protection for hands:</b>	Not needed for normal use.
<b>Respiratory protection:</b>	Use in ventilated area. Use respirator with high efficiency filter cartridge for organic vapor just if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for other poorly ventilated areas and for large spill clean-up sites.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance</b>	Homogeneous paste from light-yellow to brown color
<b>Odour</b>	Petroleum odor
<b>pH</b>	Not applicable
<b>Pour point</b>	Not applicable
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash point</b>	> 200 °C (Cleveland Open Cup, ASTM D 92)
<b>Evaporation rate</b>	Not applicable
<b>Upper/lower flammability</b>	Not determined
<b>Vapour density</b>	Not applicable
<b>Vapour pressure</b>	Not applicable

## Grease Gazpromneft Grease L EP 00

Revision 2

Revision date 25.12.2017

<b>Relative density</b>	Not determined
<b>Solubility</b>	Soluble in most organic solvents, insoluble in water
<b>Partition coefficient: n-octanol /water</b>	Not determined
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temperature</b>	Not applicable
<b>Viscosity</b>	Not applicable
<b>Explosive properties</b>	Not applicable
<b>Oxidizing properties</b>	Not determined
<b>Volatile Organic compounds</b>	Not applicable
<b>Dropping Point</b>	> 170 °C
<b>Other information</b>	
<b>Miscibility</b>	Not applicable
<b>Conductivity</b>	Not applicable
<b>10. STABILITY AND REACTIVITY</b>	
<b>10.1. Reactivity</b>	This product has no significant hazards with respect to reactivity. Stable under normal conditions
<b>10.2. Chemical stability</b>	Stable under normal conditions. Will not decompose if stored and used as recommended.
<b>10.3. Passivity of hazardous reactions</b>	Will not occur. Stable under normal conditions.
<b>10.4. Conditions to avoid</b>	Elevated temperatures, sparks and open flames.
<b>10.5. Incompatible materials</b>	Strong oxidizing agents.
<b>10.6. Hazardous decomposition products</b>	Burning produces irritating, toxic and obnoxious fumes.
<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>11.1. Information on toxicological effects</b>	
<b>Acute Toxicity</b>	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.
<b>Acute Toxicity of base oils</b>	Acute oral/rat LD <sub>50</sub> > 5000 mg/kg Acute dermal/rabbit LD <sub>50</sub> > 2000 mg/kg <sub>3</sub> Acute inhalation/rat LC <sub>50</sub> > 5000 mg/m <sup>3</sup>
<b>Skin corrosion/irritation</b>	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.
<b>Serious eye damage /irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	Contains: reaction product of 4-methyl-2-pentanol and diphosphorus pentasulfide propoxylated, esterified with diphosphorus pentoxide, and salted by amines, c-12-14 tert-alkyl; May produce an allergic reaction.
<b>Carcinogenicity</b>	The product is not carcinogenic. Evaluation has been made through data of components. Base oils passed the test IP 346 (DMSO extractible compounds less than 3%) (Note H, L).
<b>Germ cell mutagenicity</b>	Not Applicable
<b>Reproductive toxicity</b>	Not Applicable
<b>STOT-single exposure</b>	Not Applicable
<b>STOT-repeated exposure</b>	Not Applicable
<b>Aspiration hazard</b>	Not Applicable

## Grease Gazpromneft Grease L EP 00

Revision 2

Revision date 25.12.2017

**12. ECOLOGICAL INFORMATION**

<b>12.1. Toxicity</b>	Adopt good working practices, so that the product is not released into the environment.
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**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 Magna > 10000 mg/L 48h NOELR a) Aquatic acute toxicity Algae > 100 mg/L 72h LL50 a) Aquatic acute toxicity Fish > 100 mg/L 96h NOELR b) Aquatic chronic toxicity Daphnia Magna = 10 mg/L 21 days NOELR b) Aquatic chronic toxicity Fish = 10 mg/L
0.1-1.0 %	Phosphorodithioic acid, mixed O,O-bis (iso-Bu and pentyl) esters, zinc salts	EC:270-608-0	<b>Fish:</b> LC <sub>50</sub> (Rainbow Trout, 4 d): 4.5 mg/l ; LC <sub>50</sub> (Not reported, 4d): 46 mg/l; NOEC (Rainbow Trout, 4 d): 1.8 mg/l <b>Aquatic Invertebrates:</b> EC <sub>50</sub> (Water flea (Daphnia magna), 2d): 23 mg/l NOEC (Water flea (Daphnia magna), 2 d): 10 mg/l EC <sub>50</sub> (Water flea (Daphnia magna), 21 d): 0.8 mg/l <b>Toxicity to Aquatic Plants:</b> EC <sub>50</sub> (Green algae (Scenedesmus quadricauda), 3 d): 24 mg/l NOEC (Green algae (Scenedesmus quadricauda), 3 d): 1.8 mg/l
0.1-0.5 %	Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide propoxylated, esterified with diphosphorus pentoxide, and salted by amines, C12-14-tert-alkyl	EC:931-384-6	<b>Fish:</b> LC <sub>50</sub> (Rainbow Trout, 4 Days): 24 mg/l NOEC (Rainbow Trout, 4 Days): 3.2 mg/l LC <sub>50</sub> (Fathead Minnow, 4 Days): 8.5 mg/l <b>Aquatic Invertebrates:</b> EC <sub>50</sub> (Water flea (Daphnia magna), 2d): 91.4 mg/l EC <sub>50</sub> (Water flea (Daphnia magna), 21 d): 0.66 mg/l NOEC (Water flea (Daphnia magna), 21 d): 0.12 mg/l <b>Toxicity to Aquatic Plants:</b> EC <sub>50</sub> (Green algae (selenastrum capricomutum), 4 Days): 6.4 mg/l NOEC (Green algae (selenastrum capricomutum), 4 Days): 1.7 mg/l

<b>12.2. Persistence and degradability</b>	No date is available on this product. Base oil - unspecified - lubricating oils: non-readily biodegradable Base oil - unspecified - Residual oils (petroleum), solvent-dewaxed: non-readily biodegradable.
<b>12.3. Bio accumulative potential</b>	No date is available on this product.
<b>12.4. Mobility in soil</b>	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.
<b>12.5. Results of PBT and vPvB assessment</b>	No PBT Ingredients are present.
<b>12.6. Other adverse effects</b>	No components with environmental hazard properties.

**13. DISPOSAL CONSIDERATIONS**

<b>13.1. Waste treatment methods</b>	
<b>Disposal methods</b>	Dispose of in compliance with all local and national regulations. Contact a licensed waste disposal company.
<b>Disposal of packaging</b>	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
<b>Further information</b>	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

**14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.	
<b>14.1. UN number</b>	Not applicable.
<b>14.2. UN proper shipping name</b>	Not applicable.
<b>14.3. Transport hazard class(es)</b>	Not applicable.
<b>14.4. Packing group</b>	Not applicable.
<b>14.5. Environmental hazards</b>	Marine pollutant: No / Environmental Pollutant: No

**Grease Gazpromneft Grease L EP 00**

Revision 2

Revision date 25.12.2017

<b>14.6. Special precautions for user</b>	Not applicable.
<b>ADR/RID</b>	The product is not classified as dangerous for carriage.
<b>IMDG</b>	The product is not classified as dangerous for carriage.
<b>IATA</b>	The product is not classified as dangerous for carriage.
<b>15. REGULATORY INFORMATION</b>	
<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<p>Dir. 98/24/EC (Risks related to chemical agents at work)</p> <p>Dir. 2000/39/EC (Occupational exposure limit values)</p> <p>Regulation (EC) n. 1907/2006 (REACH)</p> <p>Regulation (EC) n. 1272/2008 (CLP)</p> <p>Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013</p> <p>Regulation (EU) n. 286/2011 (ATP 2 CLP)</p> <p>Regulation (EU) n. 618/2012 (ATP 3 CLP)</p> <p>Regulation (EU) n. 487/2013 (ATP 4 CLP)</p> <p>Regulation (EU) n. 944/2013 (ATP 5 CLP)</p> <p>Regulation (EU) n. 605/2014 (ATP 6 CLP)</p> <p>Regulation (EU)2015/830</p> <p>Provisions related to directive EU 2012/18 (Seveso III):</p> <p>German Water Hazard Class.</p> <p>Class 1: slightly hazardous for water.</p> <p>Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:</p> <p>Restrictions related to the product: None</p> <p>Restrictions related to the substances contained:</p>
<b>Chemical safety assessment</b>	No data available on this product.
<b>16. OTHER INFORMATION</b>	
<b>Text of Hazard statements in Section 3</b>	<p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>3.1/4/Oral Acute Tox. 4 Acute toxicity (oral), Category 4</p> <p>3.10/1 Asp. Tox. 1 Aspiration hazard, Category 1</p> <p>3.2/2 Skin Irrit. 2 Skin irritation, Category 2</p> <p>3.3/1 Eye Dam. 1 Serious eye damage, Category 1</p> <p>3.4.2/1 Skin Sens. 1 Skin Sensitisation, Category 1</p> <p>4.1/C2 Aquatic Chronic 2 Chronic (long term) aquatic hazard, cat2</p>
<b>Legend to abbreviations and acronyms used in the safety data sheet:</b>	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society).</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances.</p> <p>IATA: International Air Transport Association.</p> <p>IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).</p>

**Grease Gazpromneft Grease L EP 00**

Revision 2

Revision date 25.12.2017

<b>Legend to abbreviations and acronyms used in the safety data sheet:</b>	LD <sub>50</sub> : Lethal Dose to 50 % of a test population. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. PBT: Persistent, Bioaccumulative and Toxic substance. STOT: Specific Target Organ Toxicity. vPvB: Very Persistent and Very Bioaccumulative. WEL: Workplace Exposure Limit.
<b>Further information</b>	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

**Classification and procedure used to derived the classification for mixture according to Regulation EC 1272/2006 (CLP)**

<b>Classification according to Regulation EC 1272/2006 (CLP)</b>	<b>Classification procedure</b>
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).	Calculation method.

<b>Revision 2</b>	This document differs from the previous version in the following areas: 3. Composition/information on ingredients. 9. Physical and chemical properties 11. Toxicological information 12. Ecological information 16. Other information.
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