



SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Page 1/8

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY	
1.1. Product Identifier	
Product name	Смазка литиевая Gazpromneft EP-2
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Description	Lithium Grease
1.3. Details of the supplier of the safety data sheet	“Gazpromneft – lubricants”, Ltd, 125A, Profsoyuznaya str., Moscow, 117647, Russia. Lubricants@gazprom-neft.ru Tel. +7 495 642-99-69 (between 9 AM and 6 PM Moscow time) Fax +7 495 921-48-63
Only Representative	REACHLaw Ltd. Vänrikinkuja 3 JK 21 Espoo FI-02600 Finland Tel. +358(0) 9 412 3055 Email: sds@reachlaw.fi
1.4. Emergency telephone number	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	
2.1. Classification of the substance or mixture	
Main hazards	No Significant Hazard
2.2. Label elements:	
Regulation (EC) No 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 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.
Adverse physicochemical, human health and environmental effects:	No other hazards
Ingredient(s) with unknown acute toxicity:	None
2.3 Other hazards	
	No Significant Hazard
Further information	
	This substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable: this product is regulated as a mixture.

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	30-35	Product is not classified
Base oil - unspecified - Residual oils (petroleum), solvent-dewaxed	649-471-00-X	64742-62-7	265-166-0	01-2119480472-38-0023	50-55	Product is not classified
Lithium 12-hydroxystearate	-	7620-77-1	231-536-5	01-2119970893-23-0019	10-15	Not classified
Phosphorodithioic acid, mixed O,Obis (iso-Bu and pentyl) esters, zinc salts	-		270-608-0	01-2119493628-22	1.0-1.5	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 2; H411 Eye Dam. 1; H318 Skin Sens. 1; H317
Diphenylamine	612-026-00-5	122-39-4	204-539-4	Not Available	0-0.5	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 STOT RE 2; H373

Description

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

Further information

Full text for all Hazard statements, mentioned in this section, are displayed in Section 16.

4. FIRST AID MEASURES**4.1. Description of first aid measures**

Inhalation	Move the exposed person to fresh air. If symptoms persist seek medical assistance.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical advice if irritation or symptoms persist.
Skin contact	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothes. Seek medical advice if irritation or symptoms persist. Repeated or prolonged exposure may cause dermatitis.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth with water. Seek medical assistance immediately.

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

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

Inhalation	No further relevant information available.
Eye contact	No further relevant information available.
Skin contact	No further relevant information available.
Ingestion	No further relevant information available.

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

	Seek medical attention if irritation or symptoms persist
--	--

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media	Use extinguishing media appropriate to the surrounding fire conditions (carbon dioxide (CO ²); dry chemical; foam; sand; water spray). Extinguishing media which must not be used for safety reasons: none in particular.
5.2. Special hazards arising from the substance or mixture	Burning produces irritating, toxic and obnoxious fumes. Combustion products highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.
5.3. Advice for firefighters	Wear suitable respiratory equipment when necessary. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures	Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. 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 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	Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.
6.4. Reference to other sections	See also section 8 and 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling	Avoid contact with skin and eyes, inhalation of vapors 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	Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

7.3. Specific end use(s)	No further relevant information available.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1. Control parameters	
Base oil - unspecified - lubricating oils	WEL 8-hr limit mg/m ³ : 5.4 (aerosol)
8.2. Exposure controls	
8.2.1. Appropriate engineering controls	All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled.
8.2.2. Individual protection measures:	Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
Eye/face protection	Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.
Skin protection-Hand protection	Wear suitable gloves. Wash hands after handling the product.
Respiratory protection	Not needed for normal use. Ensure adequate ventilation of the working area.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Paste, yellow-brown color
Odour	Petroleum odor
pH	Not applicable
Pour point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	>200 °C (Cleveland Open Cup, ASTM D 92)
Evaporation rate	Not applicable
Upper/lower flammability	Not determined
Vapour density	Not applicable
Vapour pressure	Not applicable
Relative density	Not determined
Solubility	Soluble in most organic solvents, insoluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not determined
Volatile Organic compounds - VOCs	Not applicable
Dropping Point	> 200 °C
Other information	
Miscibility	Not applicable
Conductivity	Not applicable

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

10. STABILITY AND REACTIVITY	
10.1. Reactivity	This product has no significant hazards with respect to reactivity. Stable under normal conditions
10.2. Chemical stability	Stable under normal conditions. Will not decompose if stored and used as recommended.
10.3. Passivity of hazardous reactions	Will not occur. Stable under normal conditions.
10.4. Conditions to avoid	Elevated temperatures, sparks and open flames.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	Burning produces irritating, toxic and obnoxious fumes.
11. TOXICOLOGICAL INFORMATION	
11.1. Information on toxicological effects	
Acute Toxicity	No data available on this product.
Acute Toxicity of base oils	Acute oral/rat LD ₅₀ > 5000 mg/kg Acute dermal/rabbit LD ₅₀ > 2000 mg/kg Acute inhalation/rat LC ₅₀ > 5000 mg/m ³
Acute Toxicity of Diphenylamine	Acute oral/rat LD ₅₀ =(1165-11500) mg/kg
Skin corrosion/irritation	The product has not been tested. Evaluation has been made through data of components.
Serious eye damage /irritation	The product has not been tested. Evaluation has been made through data of components.
Respiratory or skin sensitization	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.
Carcinogenicity	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).
Germ cell mutagenicity	Not Applicable
Reproductive toxicity	Not Applicable
STOT-single exposure	Not Applicable
STOT-repeated exposure	Not Applicable
Aspiration hazard	Not Applicable
12. ECOLOGICAL INFORMATION	
12.1. Toxicity	This material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
1.0-1.5%	Phosphorodithioic acid, mixed O,Obis (iso-Bu and pentyl) esters, zinc salts	EINECS: 270-608-0	#Persistence and degradability Pct. (weight): From 40 to 49.9 percent Duration (days): 28 Test type: Sturm Pct. degradation: 1.5 Bioaccumulative potential Pct. (weight): From 40 to 49.9 percent Test type: Octanol-Water Coefficient Duration (days): 0.1 Log Kow or BCF 0.1
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	EINECS: 931-384-6	#Persistence and degradability Pct. (weight): From 10 to 19.9 percent Test type: Inherent/Sludge 28 Pct. degradation: 3.6 Pct. (weight): From 10 to 19.9 percent Test type: Sturm 28 Pct. degradation: 7.4
0.1-1 %	Diphenylamine	EINECS: 204-539-4	#Persistence and degradability Pct. (weight): From 0.1 to 0.9 percent Test type: Closed Bottle Duration (days): 28 Pct. degradation: 26 Bioaccumulative potential Pct. (weight): From 0.1 to 0.9 percent Test type: Octanol-Water Coefficient Duration (days): 0.1 Log Kow or BCF: 3.4

12.2. Persistence and degradability	No date is available on this product.
12.3. Bio accumulative potential	No date is available on this product.
12.4. Mobility in soil	No date is available on this product.
12.5. Results of PBT and vPvB assessment	No PBT Ingredients are present.
12.6. Other adverse effects	No components with environmental hazard properties.
13. DISPOSAL CONSIDERATIONS	
13.1. Waste treatment methods	
Disposal methods	Dispose of in compliance with all local and national regulations. Contact a licensed waste disposal company.
Disposal of packaging	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
Further information	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.	
14.1. UN number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

14.4. Packing group	Not applicable.
14.5. Environmental hazards	Marine pollutant: No Environmental Pollutant: No
14.6. Special precautions for user	Not applicable.
ADR/RID	The product is not classified as dangerous for carriage.
IMDG	The product is not classified as dangerous for carriage.
IATA	The product is not classified as dangerous for carriage.
15. REGULATORY INFORMATION	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	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. 453/2010 (Annex I) Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Dispositions about directives 82/501/CE, 96/82/CE (Seveso bis), 2003/15/CE (Seveso ter): 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
Chemical safety assessment	No data available on this product.
16. OTHER INFORMATION	
Text of Hazard statements in Section 3	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H315 - Causes skin irritation. H317 May cause an allergic skin reaction. H318 - Causes serious eye damage. H331 Toxic if inhaled. H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. 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.
Legend to abbreviations and acronyms used in the safety data sheet:	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. CAS: Chemical Abstracts Service (division of the American Chemical Society). CLP: Classification, Labeling, Packaging. DMSO: Dimethyl sulfoxide. EC ₅₀ : Half Maximal Effective Concentration.

Смазка литиевая Gazpromneft EP-2

Revision 0

Revision date 01.06.2015

Legend to abbreviations and acronyms used in the safety data sheet:	<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> <p>LD₅₀: Lethal Dose to 50 % of a test population.</p> <p>LC₅₀: Lethal Concentration to 50 % of a test population.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>STOT: Specific Target Organ Toxicity.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>WEL: Workplace Exposure Limit.</p>
Further information	<p>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.</p>
Revision	New version