



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

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**Смазка Литол-24 (Litol-24)**

Revision 0

Revision date 01.06.2015

<b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY</b>	
<b>1.1. Product Identifier</b>	
<b>Product name</b>	Смазка Литол-24 (Litol-24)
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
<b>Description</b>	Lithium Grease
<b>1.3. Details of the supplier of the safety data sheet</b>	“Gazpromneft – lubricants”, Ltd, 125A, Profsoyuznaya str., Moscow, 117647, 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
<b>2. HAZARDS IDENTIFICATION</b>	
<b>2.1. Classification of the substance or mixture</b>	
<b>Regulation (EC) No 1272/2008 (CLP): main hazards</b>	Aquatic Chronic 3 - Harmful to aquatic life with long lasting effects.
<b>2.2. Label elements:</b>	
<b>Regulation (EC) No 1272/2008 (CLP):</b>	H412 Harmful to aquatic life with long lasting effects. P273 Avoid release to the environment. P501.A Dispose of contents/container in accordance with applicable regulations.
<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
<b>Further information</b>	
	This substance/mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.

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**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	30-40	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	50-60	Product is not classified
Lithium 12-hydroxystearate	-	7620-77-1	231-536-5	01-2119970893-23-0019	10-15	Product is not classified
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 Chron 1; H410 STOT RE 2; H373

**Description**

All base oils contained in this product have a value of &lt; 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**

<b>Inhalation</b>	Move the exposed person to fresh air. If symptoms persist seek medical assistance.
<b>Eye contact</b>	Wash immediately with water.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Seek medical advice if irritation or symptoms persist.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth with water. Seek medical assistance immediately.

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

<b>Inhalation</b>	No further relevant information available.
<b>Eye contact</b>	No further relevant information available.
<b>Skin contact</b>	No further relevant information available.
<b>Ingestion</b>	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

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<b>5. FIRE-FIGHTING MEASURES</b>	
<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>	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.
<b>5.3. Advice for firefighters</b>	Wear suitable respiratory equipment when necessary. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	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.
<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 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.
<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>8.1. Exposure limit values</b>	Under normal conditions the product does not contain any relevant quantities of materials with TLV/WELs that have to be monitored at workplace.
<b>8.1.1. Exposure limit values for components:</b>	
<b>Base oil - unspecified - lubricating oils</b>	WEL 8-hr limit mg/m <sup>3</sup> : 5.4 (aerosol)

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<b>Base oil - unspecified - Residual oils (petroleum), solvent-dewaxed</b>	WEL 8-hr limit mg/m <sup>3</sup> : 5.4 (aerosol)
<b>Diphenylamine</b>	TWA 8-hr limit mg/m <sup>3</sup> : 10 WEL 15-min limit mg/m <sup>3</sup> : 20
<b>8.2. Exposure controls</b>	
<b>8.2.1. Appropriate engineering controls</b>	All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled.
<b>8.2.2. Individual protection measures:</b>	Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
<b>Eye/face protection</b>	Not needed for normal use. Anyway, operate according good working practices.
<b>Skin protection-Hand protection</b>	Wear suitable gloves. Wash hands after handling the product.
<b>Respiratory protection</b>	Not needed for normal use. Ensure adequate ventilation of the working area.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance</b>	Paste, yellow-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>	>199 °C (Cleveland Open Cup, ASTM D 92)
<b>Evaporation rate</b>	Not applicable
<b>Upper/lower flammability</b>	354 / >350 °C
<b>Vapour density</b>	Not applicable
<b>Vapour pressure</b>	Not applicable
<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 - VOCs</b>	Not applicable
<b>Dropping Point</b>	> 185 °C
<b>Other information</b>	
<b>Miscibility</b>	Not applicable
<b>Conductivity</b>	Not applicable

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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 <sub>50</sub> > 5000 mg/kg Acute dermal/rabbit LD <sub>50</sub> > 2000 mg/kg Acute inhalation/rat LC <sub>50</sub> > 5000 mg/m <sup>3</sup>
Acute Toxicity of Diphenylamine	Acute oral/rat LD <sub>50</sub> =(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	The product has not been tested. Evaluation has been made through data of components.
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	Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information: <i>Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</i>
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## List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
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

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<b>12.2. Persistence and degradability</b>	No date is available on this product.
<b>12.3. Bio accumulative potential</b>	No date is available on this product.
<b>12.4. Mobility in soil</b>	No date is available on this product.
<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.
<b>13. DISPOSAL CONSIDERATIONS</b>	
<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.
<b>14. TRANSPORT INFORMATION</b>	
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
<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>	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
<b>Chemical safety assessment</b>	No data available on this product.

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<b>16. OTHER INFORMATION</b>	
<b>Text of Hazard statements in Section 3</b>	<p>H301 Toxic if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H331 Toxic if inhaled.</p> <p>H373 May cause damage to organs &lt;or state all organs affected, if known&gt; through prolonged or repeated exposure &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</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>CLP: Classification, Labeling, Packaging.</p> <p>DMSO: Dimethyl sulfoxide.</p> <p>EC<sub>50</sub>: Half Maximal Effective Concentration.</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> <p>LD<sub>50</sub>: Lethal Dose to 50 % of a test population.</p> <p>LC<sub>50</sub>: 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>
<b>Further information</b>	<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>
<b>Revision</b>	New version