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



## Масло Газпромнефть Редуктор CLP-100
## (Gazpromneft Reductor CLP-100)

Revision 1
Revision date 10.01.2017

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| **1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY** | |
| **1.1. Product Identifier** | |
| **Product name** | Масло Газпромнефть Редуктор CLP-100<br>(Gazpromneft Reductor CLP-100) |
| **1.2. Relevant identified uses of the substance or mixture and uses advised against** | |
| **Description** | Industrial gear oil |
| **1.3. Details of the supplier of the safety data sheet** | "Gazpromneft – lubricants", Ltd,<br>14/3 Krzhizhanovskogo str. 117218, Moscow- Russia.<br>Lubricants@gazprom-neft.ru<br>Tel. +7 495 642-99-69 (between 9 AM and 6 PM Moscow time)<br>Fax +7 495 921-48-63 |
| **Only Representative** | REACHLaw Ltd.<br>Vänrikinkuja 3 JK 21 Espoo FI-02600 Finland<br>Tel. +358(0) 9 412 3055<br>Email: sds@reachlaw.fi |
| **1.4. Emergency telephone number** | 1-760-476-3962 (America)<br>1-760-476-3961 (Europe, Middle East&Africa)<br>1-760-476-3960 (Asia Pacific):<br>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).<br>Special Provisions:<br>EUH210: Safety data sheet available on request.<br>Contains: Long-chain alkyl amine. 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. |
| **3. COMPOSITION/INFORMATION ON INGREDIENTS** | |
| **3.1 Substances** | |
| | Not applicable: this product is regulated as a mixture. |

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**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 | 60-70 | 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 | 30-35 | Product is not classified |
| Long-chain alkyl amine | - | 68955-53-3 | 273-279-1 | 01-2119456798-18 | 0-0.5 | Acute Tox. 4, H302<br>Acute Tox. 3, H311<br>Acute Tox. 2, H330<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

| **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**

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| **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 SDS 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**

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| | No further relevant information available. |

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

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| | Seek medical attention if irritation or symptoms persist |

## 5. FIRE-FIGHTING MEASURES

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| **5.1. Extinguishing media** | Suitable extinguishing media: Water. Carbon dioxide ($CO_2$). 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.<br>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. |

## 6. ACCIDENTAL RELEASE MEASURES

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| **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. |

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| **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 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. Contamined 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.<br>Instructions as regards storage premises: adequately ventilated premises. |
| **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** | 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. |
| **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 protection:** | Safety Glasses. |
| **Skin protection-Hand protection** | ***Protection for skin:*** 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.<br>***Protection for hands:*** 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. |

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|---|---|
| **8.2.1. Appropriate engineering 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. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| **Appearance** | Homogenous, viscous liquid |
| **Odour** | Petroleum odor |
| **pH** | Not applicable |
| **Pour point** | < - 18 °C |
| **Initial boiling point and boiling range** | Not applicable |
| **Flash point** | >210 °C (Cleveland Open Cup, ASTMD 92) |
| **Evaporation rate** | Not applicable |
| **Upper/lower flammability** | 187 °C / 232 °C |
| **Vapour density** | Not applicable |
| **Vapour pressure** | <0.01 kPa |
| **Relative density** | Not determined |
| **Solubility in water** | Insoluble |
| **Partition coefficient: n-octanol/water** | Not determined |
| **Auto-ignition temperature** | 342 °C |
| **Decomposition temperature** | Not applicable |
| **Viscosity (at 40 $^0$C)** | 90,00-110,0 mm$^2$/s (ASTM D 445) |
| **Explosive properties** | Not applicable |
| **Oxidizing properties** | Not determined |
| **Volatile Organic compounds - VOCs** | Not applicable |
| **Other information** | |
| **Miscibility** | Not applicable |
| **Conductivity** | Not applicable |

## 10. STABILITY AND REACTIVITY

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| **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**

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| **Acute Toxicity** | 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:**

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| **Acute Toxicity of base oil** | Acute oral/rat $LD_{50}$ > 5000 mg/kg<br>Acute dermal/rabbit $LD_{50}$ > 2000 mg/kg<br>Acute inhalation/rat $LC_{50}$ > 5000 mg/$m^3$ |
| **Acute Toxicity of long-chain alkyl amine** | $LC_{50}$ Inhalation Gas. Rat =157 ppm 4 hours<br>$LD_{50}$ Dermal Rat=251 mg/kg<br>$LD_{50}$ Oral Rat = 612 mg/kg |
| **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 or skin sensitization** | Contains: Long-chain alkyl amine. May produce an allergic reaction. 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

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| **12.1. Toxicity** | Adopt good working practices, so that the product is not released into the environment.<br>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. |

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

| Quantity | Component | Ident. Numb | Ecotox Infos. |
|---|---|---|---|
| 60-70% | Base oil - unspecified - lubricating oils | CAS: 74869-22-0<br>EINECS: 278-012-2 | EL50 a) Aquatic acute toxicity Daphnia Magna> 10000 mg/L 48h<br>NOELR a) Aquatic acute toxicity Algae > 100 mg/L 72h<br>LL50 a) Aquatic acute toxicity Fish > 100 mg/L 96h<br>NOELR b) Aquatic chronic toxicity Daphnia Magna= 10 mg/L 21 days<br>NOELR b) Aquatic chronic toxicity Fish = 10 mg/L |
| 30-35% | Base oil - unspecified - Residual oils (petroleum), solvent-dewaxed | CAS: 64742-62-7 -<br>EINECS: 265-166-0 | EL50 a) Aquatic acute toxicity Daphnia magna, 48hr> 10000 mg/L 48h<br>NOELR a) Aquatic acute toxicity Algae Algae> 100 mg/L 72h<br>LL50 a) Aquatic acute toxicity Fish > 100 mg/L 96h<br>NOELR b) Aquatic chronic toxicity Daphnia magna, 21 days= 10mg/L<br>NOELR b) Aquatic chronic toxicity Fish = 10 mg/L |

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| **12.2. Persistence and degradability** | No date is available on this product.<br>Base oil - unspecified - lubricating oils, Base oil - unspecified - Residual oils: non-readily biodegradable. |
| **12.3. Bio accumulative potential** | No date is available on this product. |
| **12.4. Mobility in soil** | Product floats on water (insoluble)and can entrape 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. |

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| 13. DISPOSAL CONSIDERATIONS | |
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| **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. |
| **14.4. Packing group** | Not applicable. |
| **14.5. Environmental hazards** | Toxic ingredients quantity: 0.00 / Very toxic ingredients quantity: 0.00/ 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)<br>Dir. 2000/39/EC (Occupational exposure limit values)<br>Regulation (EC) n. 1907/2006 (REACH)<br>Regulation (EC) n. 1272/2008 (CLP)<br>Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013<br>Regulation (EU) n. 286/2011 (ATP 2 CLP)<br>Regulation (EU) n. 618/2012 (ATP 3 CLP)<br>Regulation (EU) n. 487/2013 (ATP 4 CLP)<br>Regulation (EU) n. 944/2013 (ATP 5 CLP)<br>Regulation (EU) n. 605/2014 (ATP 6 CLP)<br>Regulation (EU)2015/830<br>Provisions related to directive EU 2012/18 (Seveso III):<br>German Water Hazard Class.<br>Class 1: slightly hazardous for water.<br>Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:<br>Restrictions related to the substances contained: None |
| **Chemical safety assessment** | No data available on this product. |
| **16. OTHER INFORMATION** | |
| **Text of Hazard statements in Section 3** | H302 Harmful if swallowed<br>H311 Toxic in contact with skin.<br>H314 Causes severe skin burns and eye damage<br>H317 May cause an allergic skin reaction.<br>H330 Fatal if inhaled<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects. |

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Revision date 10.01.2017

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| **Legend to abbreviations and acronyms used in the safety data sheet:** | ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.<br>AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.<br>CAS: Chemical Abstracts Service (division of the American Chemical Society).<br>CLP: Classification, Labeling, Packaging.<br>DMSO: Dimethyl sulfoxide.<br>$EC_{50}$: Half Maximal Effective Concentration.<br>EINECS: European Inventory of Existing Commercial Chemical Substances.<br>IATA: International Air Transport Association.<br>IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).<br>$LD_{50}$: Lethal Dose to 50 % of a test population.<br>$LC_{50}$: Lethal Concentration to 50 % of a test population.<br>PBT: Persistent, Bioaccumulative and Toxic substance.<br>vPvB: Very Persistent and Very Bioaccumulative.<br>WEL: Workplace Exposure Limit. |

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP)**

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

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| **Further information** | 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. |
| **Revision 1** | This document differs from the previous version in the following areas:<br>1.Identification of the substance/preparation and the company<br>3.Composition/information on ingredients<br>4. First aid measures<br>8. Exposure controls/personal protection<br>11. Toxicological information<br>12. Ecological information<br>14. Transport information<br>15. Regulatory information<br>16. Other information |