



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

Page 1/26

Масло И-12А (I-12A)

Revision 6
Revision date 01.06.2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1. Product identifier

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| Trade name: | Масло И-12А (I-12A) |
| Substance Name: | Base oil - unspecified - Lubricating oils |
| CAS number: | 74869-22-0 |
| EC number: | 278-012-2 |
| Registration Number: | 01-2119495601-36-0023 |
| Description | Industrial oil without additives designed for lubrication of machinery |

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

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| Recommended use: | 1. Use of substance as intermediate; 2. Lubricants: Industrial; 3. Use in Metal working fluids / rolling oils: Professional; 4. Lubricants: Professional (low environmental release); 5. Use as a functional fluids: Professional; 6. Lubricants: Consumer (low environmental release). ES is provided as an annex 1. |
| Uses advised against: | Uses other than those given in section 1.2. are not recommended. |

1.3. Details of the supplier of the safety data sheet

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| Company | “Gazpromneft – lubricants”, Ltd, 125A, Profsoyuznaya str., Moscow, 117647, Russia. Lubricants@gazprom-neft.ru |
| Telephone | +7 495 642-99-69 (between 9 AM and 6 PM Moscow time) |
| Fax | +7 495 642-99-69 |
| 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 |
| Only Representative | REACHLaw Ltd. Vänrikinkuja 3 JK 21 Espoo FI-02600 Finland Tel. +358(0) 9 412 3055 Email: sds@reachlaw.fi |


2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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| Classification of the substance or mixture (EC) No 1272/2008 | Asp.Tox.1; H304 |
| Adverse physicochemical, human health and environmental effects: | No other hazards |

Масло И-12А (I-12A)

Revision 6
Revision date 01.06.2015

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| 2.2. Label elements | |
| Label elements (EC) No 1272/2008: |  <p>Danger H304 May be fatal if swallowed and enters airways. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P501: Dispose of contents/container in accordance with applicable regulations.</p> |
| 2.3. Other hazards | |
| | No vPVB / PBT Ingredients are present Other Hazards: No other hazards identified. |
| 3. COMPOSITION/INFORMATION ON INGREDIENTS | |
| 3.1. Substances | |
| Substance Identifications: | Масло И-12А (I-12А) (Base oil - unspecified - Lubricating oils) CAS number: 74869-22-0 EC number: 278-012-2 Registration Number 01-2119495601-36-0023 |
| Classification Regulation according to EC 1272/2008 (CLP) | Hazard statements: Asp.Tox.1; H304 |
| 3.2. Mixtures | |
| | Not Applicable |
| 4. FIRST AID MEASURES | |
| 4.1. Description of first aid measures | |
| In case of skin contact: | Contact with the skin is not expected to be harmful. No specific first aid measures are required. As a precaution, remove contaminated clothes. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. |
| In case of eye contact: | Not expected to cause prolonged or significant eye irritation. No specific first aid measures are required. As a precaution, remove contact lenses, if worn, rinse immediately with plenty of water for 15 minutes holding the eyelids open. |
| In case of inhalation: | Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. |
| In case of ingestion: | <i>May be fatal if swallowed and enters airways.</i> Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show container or label. |

Масло И-12А (I-12А)Revision 6
Revision date 01.06.2015

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| 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 | |
| | Suitable extinguishing media: Water. Carbon dioxide (CO ₂). |
| 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. |
| 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 |
| 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. |

Масло И-12А (I-12A)Revision 6
Revision date 01.06.2015

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| 7.3. Specific end use(s) | |
| Recommendation(s) | None in particular |
| Industrial sector specific solutions: | None in particular |
| 8. EXPOSURE CONTROLS/PERSONAL PROTECTION | |
| 8.1. Control parameters | |
| Exposure limits | 5.4 mg/m ³ /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: | 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. |
| 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 area 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: | Not Applicable |
| 9. PHYSICAL AND CHEMICAL PROPERTIES | |
| Appearance | Light yellow liquid |
| Odour | Petroleum odor |
| pH | Not applicable |
| Boiling range | 340-540 °C |
| Flash point | > 210 °C (Cleveland Open Cup) |
| Flammability | Non flammable |
| Explosive properties | Not applicable |
| Oxidising properties | Not applicable |
| Vapour pressure | <0.01 kPa |
| Density | <887 kg/m ³ (20 °C) |
| Solubility | Soluble in most organic solvents |
| Water solubility | Insoluble |
| Partition coefficient: n-octanol/water | Not applicable |
| Viscosity | 13, 00 – 21,00 mm ² /s (40 °C) |
| Pour point | < -25 °C |
| Vapour density | Not applicable |
| Evaporation rate | Not applicable |

Масло И-12А (I-12A)

Revision 6
Revision date 01.06.2015

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| 10. STABILITY AND REACTIVITY | |
| 10.1. Reactivity | |
| | This product has no significant hazards with respect to reactivity. |
| 10.2. Chemical stability | |
| | Stable under normal conditions. Will not decompose if stored and used as recommended. |
| 10.3. Possibility of hazardous reactions | |
| | None. |
| 10.4. Conditions to avoid | |
| | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| 10.5. Incompatible materials | |
| | No data is available on this product. |
| 10.6. Hazardous decomposition products | |
| | Will not occur. Stable under normal conditions |
| 11. TOXICOLOGICAL INFORMATION | |
| 11.1. Information on toxicological effects | |
| Toxicological Information of the Substance | Acute toxicity: Acute oral/rat LD ₅₀ > 5000 mg/kg Acute dermal/rabbit LD ₅₀ > 2000 mg/kg Acute inhalation/rat LC50 > 5000 mg/m ³ Not classified. Reason for no classification: Conclusive but not sufficient for classification. |
| Skin corrosion/irritation | Not irritant. Based on key study test data. |
| Serious eye damage/irritation | Not irritant. Based on key study test data. |
| Skin sensitisation | Not classified. Based on key study test data. Tests in guinea pig with other lubricant base oils showed no evidence of skin sensitization. |
| Germ cell mutagenicity | Not Applicable. The mutagenic potential of other lubricant base oils has been extensively studied in a range of in vivo and in vitro assays. The majority of the studies showed no evidence of mutagenic activity. Based on the available data, other lubricant base oils are not considered to be germ cell mutagens. |
| Carcinogenicity | Not classified. Non-carcinogenic if DMSO extract as measured by IP346 is less than 3 % w/w. |
| Reproductive toxicity | Reproductive/developmental: Negative. Based on key study test data. Results of developmental and reproductive toxicity studies on sufficiently refined" other lubricant base oils show no evidence of developmental or reproductive toxicity in rats. Pre-natal developmental toxicity study: NOAEL: 30 mg/kg/day. Based on read-across to distillate aromatic extract. NOAEL developmental: > 2000 mg/kg/day. Based on case study from sufficiently refined base oil. Two-generation reproductive toxicity study: NOAEL > 1000 mg/kg for sufficiently refined other lubricant base oils. For insufficiently refined other lubricant base no data. |

Масло И-12А (I-12A)Revision 6
Revision date 01.06.2015

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| Reproductive toxicity | Not classified. Reason for no classification: Conclusive but not sufficient for classification. |
| STOT-single exposure | Not classified. Reason for no classification: Conclusive but not sufficient for classification. Acute exposure studies show no evidence of systemic toxicity |
| STOT-repeated exposure | Not classified. Reason for no classification: Conclusive but not sufficient for classification. “Sufficiently refined” other lubricant base oils: Repeat dose inhalation and dermal studies showed no systemic effects |
| Aspiration hazard | Based on data on kinematic viscosity (viscosity < 20.5 mm ² /s at 40°C), the product is classified for aspiration hazard. May be fatal if swallowed and enters airways. Few or no symptoms expected. If any, nausea and diarrhea might occur. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |

12. ECOLOGICAL INFORMATION**12.1. Toxicity**

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| | Adopt good working practices, so that the product is not released into the environment. |
| Eco-Toxicological properties of the product: | Not Classified. Acute aquatic invertebrate (Daphnia magna, 48h) EL ₅₀ > 10 000 mg/l Acute aquatic algae NOEL (72h) > 100 mg/l Acute aquatic fish (96h) LL ₅₀ > 100 mg/l Long-term invertebrate (Daphnia magna, 21 days) NOEL 10 mg/l Long-term fish NOEL 10 mg/l |

12.2. Persistence and degradability

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| | Non-readily biodegradable |
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12.3. Bioaccumulative potential

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| | Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance. |
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12.4. Mobility in soil

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| | Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance. |
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12.5. Results of PBT and vPvB assessment

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| | Anthracene is not present in this substance at greater than 0.1% (see CONCAWE, 2010b). No other representative hydrocarbon structures were found to meet the PBT / vPvB criteria. |
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13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

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| | Recover if possible. In so doing, comply with the local and national regulations currently in force. |
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Масло И-12А (I-12A)Revision 6
Revision date 01.06.2015

| 14. TRANSPORT INFORMATION | |
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| Not classified as dangerous in the meaning of transport regulations. | |
| UN number | Not Applicable |
| UN proper shipping name | Not Applicable |
| Transport hazard class(es) | Not Applicable |
| Packing group | 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. |
| Transport in bulk according to Annex II of MARPOL and the IBC Code | Not Applicable |
| 15. REGULATORY INFORMATION | |
| Chemical safety assessment | Chemical Safety Report (Part B) Other Lubricant Base Oils. |
| 16. OTHER INFORMATION | |
| 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. 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): German Water Hazard Class. 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 |
| References | Chemical Safety Report (Part B) Other Lubricant Base Oils. |
| 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). CE: European Community CLP: Classification, Labeling, Packaging. CMR: Carcinogenic, Mutagenic and Reprotoxic CSR: Chemical Safety Report DNEL: Derived No Effect Level. EC ₅₀ : Half Maximal Effective Concentration ECHA: European Chemicals Agency |

Масло И-12А (I-12A)Revision 6
Revision date 01.06.2015

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| Legend to abbreviations and acronyms used in the safety data sheet: | <p>EINECS: European Inventory of Existing Commercial Chemical Substances.</p> <p>ES: Exposure Scenario</p> <p>IATA: International Air Transport Association.</p> <p>IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).</p> <p>IC₅₀: half maximal inhibitory concentration</p> <p>LC₅₀: Lethal concentration, for 50 percent of test population.</p> <p>LD₅₀: Lethal dose, for 50 percent of test population.</p> <p>LDLo: Leathal Dose Low</p> <p>NOAEL: No Observed Adverse Effect Level</p> <p>OSHA: Occupational Safety and Health Administration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.</p> <p>STEL: Short Term Exposure limit.</p> <p>STOT: Specific Target Organ Toxicity.</p> <p>TLV: Threshold Limiting Value.</p> <p>vPvB: Very Persistent, Very Bioaccumulative.</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> <p>Base oil passed the test IP 346 (DMSO extractible compounds less than 3%).</p> |
| Revision | <p>This document differs from the previous version in the following areas:</p> <ol style="list-style-type: none"> 1. Identification of the substance/preparation and the company 2. Hazards identification 3. Composition/information on ingredients 4. First aid measures 5. Firefighting measures 6. Accidental release measures 7. Handling and storage 8. Exposure controls/personal protection 9. Physical and chemical properties 10. Stability and reactivity 11. Toxicological information 12. Ecological information 13. Disposal considerations 14. Transport information 15. Regulatory information 16. Other information |