



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

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Масло И-20А (I-20А)

Revision 4
Revision date 01.06.2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY				
Product name	Масло И-20А (I-20А)			
Registration Number	01-2119495601-36-0023			
Description	Industrial oil.			
Company	“Gazpromneft – lubricants”, Ltd, 125А, 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				
Classification of the substance or mixture	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).			
Adverse physicochemical, human health and environmental effects:	No other hazards			
Label elements	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). Special Provisions: EUH210: Safety data sheet available on request.			
3. COMPOSITION/INFORMATION ON INGREDIENTS				
(EC) No 1272/2008				
Name	Conc. (% w/w)	CAS	EINECS	Classification
Base oil - unspecified - Lubricating oils	Up to 100	74869-22-0	278-012-2	IP346 < 3% (Note H, L)
4. FIRST AID MEASURES				
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.			
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.			

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Inhalation	No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.
Ingestion	No specific first aid measures are required. Do not induce vomiting. Rinse mouth with water. Get medical assistance immediately.
5. FIRE-FIGHTING MEASURES	
Extinguishing media	Use extinguishing media appropriate to the surrounding fire conditions (carbon dioxide (CO ₂); dry chemical; foam; sand; water spray). Do not use: water jet.
Fire hazards	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.
Protective equipment	Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions	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.
Environmental precautions	Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Do not allow product to enter drains.
Clean up methods	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.
7. HANDLING AND STORAGE	
Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient.
Storage	Keep in a cool, dry, well ventilated area. Keep away from sources of ignition. Keep containers tightly closed. Stored in correctly labeled containers.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure limits	5.4 mg/m ³ /8h (aerosol)
Engineering measures	Ensure adequate ventilation of the working area.
Hand protection	Chemical resistant gloves (PVC).
Eye protection	In case of splashing, wear: approved safety goggles.
Respiratory protection	No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentration are below the occupational exposure limit for mineral oil mist. If not, wear an approved respiration that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.
Protective equipment	Wear protective clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Light yellow liquid
Odour	Petroleum odor
pH	Not applicable
Boiling range	Not determined
Flash point	> 200 °C (Cleveland Open Cup)
Flammability	Non flammable
Explosive properties	Not applicable
Oxidising properties	Not applicable
Vapour pressure	<0.01 kPa
Relative density	<890 kg/m ³ (20 °C)
Solubility	Soluble in most organic solvents
Water solubility	Insoluble
Partition coefficient: n-octanol/water	Not applicable
Viscosity	29 - 35 mm ² /s (40 °C)
Pour point	< -15 °C
Vapour density	Not applicable
Evaporation rate	Not applicable
10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions. Will not decompose if stored and used as recommended.
11. TOXICOLOGICAL INFORMATION	
Toxicological information	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
Other information on health effects	Skin irritation: Not irritant. Eye irritation: Not irritant. Skin sensitization: No evidence of sensitisation.
12. ECOLOGICAL INFORMATION	
12.1 Ecotoxicity	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

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12.2. Persistence and degradability	This material is not expected to be readily biodegradable. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
12.3. Bioaccumulative potential	Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
12.4. Mobility in soil	Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
12.5. Results of PBT and vPvB assessment	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.
13. DISPOSAL CONSIDERATIONS	
General information	Dispose of in compliance with all local and national regulations. Contact a licensed waste disposal company.
Disposal methods	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
14. TRANSPORT INFORMATION	
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	
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. 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):
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). CLP: Classification, Labeling, Packaging. DMSO: Dimethyl sulfoxide. EC50: Half Maximal Effective Concentration.

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Legend to abbreviations and acronyms used in the safety data sheet:	EINECS: European Inventory of Existing Commercial Chemical Substances. IATA: International Air Transport Association. LD50: Lethal Dose to 50 % of a test population. LC50: Lethal Concentration to 50 % of a test population. NOEL: No-Effect Level PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. WEL: Workplace Exposure Limit.
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. Base oil passed the test IP 346 (DMSO extractible compounds less than 3%).
Revision	This document differs from the previous version in the following areas: 2. Hazards identification 3. Composition/information on ingredients 12. Ecological information 16. Other information