SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

1.1. Product Identifier

Identification of the substance:	Base oil - unspecified - lubricating oils
Product name:	Gazpromneft EX SN-150
CAS №	74869-22-0
EC №	278-012-2

1.2. Recommended use — Lubricating oils for undergoing a specific process
Restriction on use — None identified

1.3. Details of the supplier of the safety data sheet

Manufacturer: “Gazpromneft – lubricants”, Ltd,
14/3 Krzhizhanovskogo str. 117218, Moscow- Russia.
SDS.Lubricants@gazprom-neft.ru
Tel. +7 495 642-99-69 (between 9 AM and 6 PM Moscow time).
Fax +7 495 921-48-63

1.4. Emergency telephone number

Tel. +7 495 642-99-69 (add 05056101)
(between 8 AM and 5 PM Moscow time).

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classified according to Global Harmonized System (GHS) standards.
The product is not classified as dangerous according to Global Harmonized System (GHS) standards.

2.2. Label elements — Labelling according to Global Harmonized System (GHS) standards.

Not applicable
Safety data sheet available on request.

2.3. Other hazards

This substance has no PBT, vPvB, PMT, vPvM or endocrine disrupting properties
Other Hazards: No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Identification of the substance:	Base oil - unspecified - lubricating oils
Product name:	Gazpromneft EX SN-150
CAS №	74869-22-0
EC №	278-012-2
Classification	Not classified (*)

Note:
** L - The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London.*

3.2. Mixtures
Not applicable.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation — Remove exposed person to fresh air if adverse effects are observed

Eye contact	Flush thoroughly with water. If irritation occurs, get medical assistance. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Take off contaminated clothing and wash before re-use. Wash with soap and water. If skin irritation or rash occurs, get medical attention. Get medical attention if symptoms occur.
Ingestion	IF SWALLOWED: Immediately call a medical center/doctor. Do NOT induce vomiting, get medical attention showing the SDS and label hazardous. Treat symptomatically. If vomiting does occur, have victim lean forward to reduce risk of aspiration.

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

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). Do not use water jet as an extinguisher, as this will spread the fire.
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. 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	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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. See protective measures under point 7 and 8.
6.2. Environmental precautions	Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.
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. Residual liquid can be absorbed on inert material.
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. 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.

7.3. Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Base oil - unspecified - lubricating oils	TWA	5,4 mg/m^3	US. ACGIH Threshold Limit Values (02 2012)

8.2. Exposure controls

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 into the room air.

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: Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Skin protection - Hand protection: 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.

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: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Yellow
Odour	Petroleum odor
pH	Not applicable
Pour point	< - 9 °C
Initial boiling point and boiling range	Not determined
Flash point	> 210 °C (Cleveland Open Cup, ASTMD 92)
Evaporation rate	Not applicable
Upper/lower flammability	Not applicable
Vapour density	Not applicable
Vapour pressure	Not applicable
Density	Typ. 884,4 kg/m^3 (ASTM D4052 @ 15°C)
Solubility in water	Insoluble
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	> 165 °C
Decomposition temperature	Not applicable
Viscosity (at 40 °C)	> 20,50 mm^2/s (ASTM D 445)
Viscosity (at 100 °C)	4,50-5,50 mm^2/s (ASTM D 445)
Explosive properties	Not applicable
Oxidizing properties **Volatile Organic compounds - VOCs**	Not applicable Not applicable
Other information	

Miscibility	Not applicable
Conductivity	Not applicable

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. Possibility 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

Toxicological information

Acute toxicity	Based on available data, the classification criteria are not met. Not classified LD_{50} Oral Rat > 5000 mg/kg LD_{50} Skin Rabbit > 2000 mg/kg LC_{50} Inhalation Rat > 5000 mg/m^3
Skin corrosion/irritation	Based on available data, the classification criteria are not met. Not classified. 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	Based on available data, the classification criteria are not met. Not classified. Vapors may cause eye damage/irritation. Evaluation is based on data from components or similar materials.
Respiratory or skin sensitization	Inhalation: Based on available data, the classification criteria are not met. Not classified If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.
Carcinogenicity	Based on available data, the classification criteria are not met. Not classified. PCA content (IP 346) < 3 %
Germ cell mutagenicity	Based on available data, the classification criteria are not met. Not classified
Reproductive toxicity	Based on available data, the classification criteria are not met. Not classified
STOT-single exposure	Based on available data, the classification criteria are not met. Not classified
STOT-repeated exposure	Based on available data, the classification criteria are not met. Not classified
Aspiration hazard	Based on available data, the classification criteria are not met. Not classified.

11.2. Information on other hazards

11.2.1 Endocrine disrupting properties.
This substance has no endocrine disrupting properties

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Dispose in accordance with applicable regulations. Avoid release to the environment.

Eco-toxicological information: Not classified for environmental hazards.

EL_{50} Aquatic acute toxicity Daphnia magna > 10000 mg/L 48h
NOELR Aquatic acute toxicity Algae > 100 mg/L 72h
LL_{50} Aquatic acute toxicity Fish > 100 mg/L 96h
NOELR Aquatic acute toxicity Daphnia magna = 10mg/L 21 days
NOELR Aquatic acute toxicity Fish = 10 mg/L

12.2. Persistence and degradability

Component	Result	Duration	Method	Conclusion
Base oil - unspecified - lubricating oils	31 %	28 days	-	Non-readily biodegradable

Note: Based on data from similar materials.

12.3. Bio accumulative potential — No information available

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 — This substance has no PBT or vPvM properties.

12.6. Endocrine disrupting properties — This substance has no endocrine disrupting properties.

12.7. Other adverse effects — No components with environmental hazard properties.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods — Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue, which may exhibit hazards of product.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

	ADR/RID	IMDG	IATA
UN number	Not applicable	Not applicable	Not applicable
UN proper shipping name	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	No	No	No

Other information:
IMDG: Not applicable.

Special precautions for user:
Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code:
Not applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements:

Canada (DSL). Substance is listed on the Domestic Substances List.

China (IECSC). Substance is listed on the Inventory of Existing Chemical Substances in China.

New Zealand (NZIoC). Substance is listed on NZIoC. Does not have an individual approval but may be used under an appropriate group standard.

Taiwan (TCSI). Substance is listed on the Taiwan Chemical Substance Inventory.

15.2. Chemical safety assessment

Chemical Safety Report (Part B) Other Lubricant Base Oils.

16. OTHER INFORMATION

Hazard class and category	**Description**
-	-
Text of Hazard statements in Section 3	-

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists
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
BCF: Biological Concentration Factor
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CMR: Carcinogenic, Mutagenic and Reprotoxic
CSA: Chemical Safety Assessment
DMEL: Derived Minimal Effect Level
DMSO: Dimethyl sulfoxide.
DNEL: Derived No Effect Level.
EC_{50}: Half Maximal Effective Concentration
EINECS (EC): European Inventory of Existing Commercial Chemical Substances.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IC_{50}: half maximal inhibitory concentration
IMDG: International Maritime Code for Dangerous Goods.
LC_{50}: Lethal concentration, for 50 percent of test population.
LD_{50}: Lethal dose, for 50 percent of test population.
N.A.: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic
PMT: Persistent, Mobile, Toxic)
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STOT: Specific Target Organ Toxicity.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.
vPvM: Very Persistent, Very Mobile

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.
Paragraphs modified from the previous revision:	New version
Revision 0	New GHS version