

SAFETY DATA SHEET

Gazpromneft PS Fluid

Revision
0

Revision date
11.06.23

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Trade name	Gazpromneft PS Fluid
CAS number	Not applicable

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

Recommended use	Steering fluid
Uses advised against	None identified

1.3. Details of the supplier of the safety data sheet

Manufacturer	"Gazpromneft - lubricants" LTD, 125A, Profsoyuznaya str., Moscow, 117647, Russia. Email: Lubricants@gazprom-neft.ru Tel.: +7 495 642-99-69 (between 9 AM and 6 PM Moscow time) Fax: +7 495 921-48-63
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Supplier	"Deny Trade" LTD, Office: Stara Zagora 6000, 92 Hristo Botev Str., 4th floor Warehouse: Zagora 6000, Kolyo Ganchev district, Agricultural aviation Tel./Fax: 042 606 899 service@maslagaz.com
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1.4. Emergency telephone

National emergency telephone	112
National Toxicological Information Center, MHAT and Emergency Medicine "N. I. Pirogov"	Emergency telephone / fax: +359 2 9154 409 Email: poison_centre@mail.orbitel.bg http://www.pirogov.bg

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Classification of the substance or mixture Prepared according to Global Harmonized System (GHS) standards. Not classified
Further information	For the full text of the hazard statements and EU hazard statements: see SECTION 16

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 (CLP)	Classification of the substance or mixture Prepared according to Global Harmonized System (GHS) standards. Not classified
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Hazard statements	Not applicable Safety data sheet available on request.
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2.3. Other hazards

Other hazards	No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Substances	Not applicable
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3.2. Mixtures

CAS No.	EC No.	Index No.	REACH Registration No.	% [weight]	Substance name	Classification according to Regulation (EC) No 1278/2008 (CLP)
74869-22-0				90-100	Base oil - unspecified - lubricating oils	Product is not classified
68649-42-3				0.5-1	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	Skin Irrit. 2, H315 Eye Irrit. 2, H319
						Further information All base oils contained in this product have a value of $< 3\%$ w DMSO extract according to IP 346/92

4. FIRST AID MEASURES

4.1. Description of first aid measures

Following inhalation	Remove exposed person to fresh air if adverse effects are observed
Following skin contact	Wash with soap and water. If skin irritation occurs, get medical attention.
Following eye contact	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.
Following ingestion	Do not induce vomiting, get medical attention showing the SDS and label hazardous.
Self-protection of the first aider	Seek medical attention if irritation or symptoms persist

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

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

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable 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.
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5.2. Special hazards arising from the substance or mixture

Hazards 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.
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5.3. Advice for firefighters

Special precautions for fire-fighters	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.
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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Protective equipment for non-emergency personnel	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

Environmental precautions	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.
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6.3. Methods and material for containment and cleaning up

For containment	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.
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6.4. Reference to other sections

Reference to other sections	See also section 8 and 13.
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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures	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.
Measures to prevent fire	Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

List of components with OEL value

Component	OEL Type	Long Term mg/m ³	Long Term ppm	Short Term mg/m ³	Short Term ppm	Behaviour	Note
Base oil-unspecified lubricating oils	TWA			5,4 mg/m ³			САЩ. Прагови гранични стойности на ACGIH (02 2012)

Predicted No Effect Concentration (PNEC) values

Derived No Effect Level (DNEL)

8.2. Exposure controls

Substance/mixture related measures to prevent exposure during identified uses	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.
Organisational measures to prevent exposure	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 and face protection	Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.
Skin 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.
Organisational measures to prevent exposure	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.
Technical measures to prevent exposure	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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Colour	Dark yellow
Odour	Petroleum odor
Pour point	<-40°C
Boiling point or initial boiling point and boiling range	Not applicable
Lower and upper explosion limit	Not determined

Flash point	>175 °C (Cleveland Open Cup, ASTM D 92)
Auto-ignition temperature	>165 °C
Decomposition temperature	Not applicable
pH	Not applicable
Kinematic viscosity	(at 40 °C) 30,0-45,0 mm ² /s (ASTM D 445) (at 100 °C) >6,5 mm ² /s (ASTM D 445)
Solubility	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not applicable
Density and/or relative density	Not determined
Relative vapour density	Not applicable
Oxidizing properties	Not determined
Volatile Organic compounds - VOCs	

9.2. Other information

Formation of explosible dust/air mixtures	Not applicable
Evaporation rate	Not applicable
Miscibility	Not applicable
Conductivity	Not applicable

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	This product has no significant hazards with respect to reactivity. Stable under normal conditions.
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10.2. Chemical stability

Chemical stability	Stable under normal conditions. Will not decompose if stored and used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not occur. Stable under normal conditions.
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10.4. Conditions to avoid

Conditions to avoid	Elevated temperatures, sparks and open flames.
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10.5. Incompatible materials

Incompatible materials	Strong oxidizing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Burning produces irritating, toxic and obnoxious fumes.
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11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Products have not been tested. Evaluation has been made through data of components.

Acute toxicity	Based on available data, the classification criteria are not met.
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 sensitisation	No data available to indicate product or components may be respiratory sensitizers.
Germ cell mutagenicity	Not Applicable.
Carcinogenicity	This product contains mineral oils, which are severely refined and not considered to be carcinogenic under IARC. All components in this product have been passed the test IP346 (DMSO extractible compounds less than 3%).
Reproductive toxicity	Not Applicable.
STOT-single exposure	Not Applicable.
STOT-repeated exposure	Not Applicable.
Aspiration hazard	Not considered an aspiration hazard.

Toxicological information on main components of the mixture

Component	Toxicity	Information
Base oil - unspecified - lubricating oils		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

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Acute (short-term) toxicity	Adopt good working practices, so that the product is not released into the environment.
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List of components with eco-toxicological properties

Component	Identification number	Ecotoxicological information
Base oil - unspecified - lubricating oils	CAS: 74869-22-0	EL50 a) Aquatic acute toxicity Daphnia magna > 10000 mg/L 48h NOELR a) Aquatic acute toxicity Algae > 100 mg/L 72h LL50 a) Aquatic acute toxicity Fish > 100 mg/L 96h NOELR b) Aquatic chronic toxicity Daphnia magna = 10mg/L 21 days NOELR b) Aquatic chronic toxicity Fish = 10 mg/L
Phosphorodithioic acid, O-o-di-C1-14-alkyl esters, zinc salts	CAS: 68649-42-3	LC50 a) Aquatic acute toxicity Fish (pimephales promelas) 1-5 mg/L 96h LC50 b) Aquatic chronic toxicity Fish (pimephales promelas) 10-35 mg/L 96h EC50 a) Aquatic acute toxicity Daphnia magna 1-1.5 mg/L 48h

12.2. Persistence and degradability

Biodegradation	Base oil - unspecified - lubricating oils: non-readily biodegradable.
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12.3. Bioaccumulative potential

Partition coefficient n-octanol /water (log Kow)	No additional information available
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12.4. Mobility in soil

Known or predicted distribution to environmental compartments	Product floats on water (insoluble) and can entrap small organisms. The product could easily disperse in soil. Products have not been tested. Evaluation has been made through data of components.
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12.5. Results of PBT and vPvB assessment	
Results of PBT and vPvB assessment	No PBT Ingredients are present.
12.6. Endocrine disrupting properties	
Endocrine disrupting properties	No endocrine disruptor substances present in concentration $\geq 0.1\%$
12.7. Other adverse effects	
Other adverse effects	No components with environmental hazard properties.
12.8. Additional information	
13. DISPOSAL CONSIDERATIONS	
13.1. Waste treatment methods	
Waste treatment-relevant information	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.
Other disposal recommendations	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
14. TRANSPORT INFORMATION	
14.1. UN number or ID number	
UN number or ID number	Not applicable.
14.2. UN proper shipping name	
UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	
Transport hazard class(es)	Not applicable.
14.4. Packing group	
Packing group	Not applicable.
14.5. Environmental hazards	
Environmental hazards	Not applicable.
14.6. Special precautions for user	
Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	
Maritime transport in bulk according to IMO instruments	Not applicable.
15. REGULATORY INFORMATION	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU regulations	CHEMICAL INVENTORIES: All components comply with the following chemical inventory requirements: EINECS (European Union).
15.2. Chemical Safety Assessment	
Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. OTHER INFORMATION

Other information

Text of Hazard statements in Section 3
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
Legend to abbreviations and acronyms used in the safety data sheet:
CAS: Chemical Abstracts Service (division of the American Chemical Society).
DMSO: Dimethyl sulfoxide.
EC50: Half Maximal Effective Concentration.
IATA: International Air Transport Association.
LD50: Lethal Dose to 50 % of a test population.
LC50: Lethal Concentration to 50 % of a test population.
PBT: Persistent, Bioaccumulative and Toxic substance.
TWA - Time Weighted Average
vPvB: Very Persistent and Very Bioaccumulative.

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.