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

Масло Gazpromneft Hydraulic HVLP-15

Revision 1
Revision date 24.09.2016

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY	
1.1. Product Identifier	
Product name	Масло Gazpromneft Hydraulic HVLP-15
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Description	Hydraulic oil
1.3. Details of the supplier of the safety data sheet	"Gazpromneft – lubricants", Ltd, 14/3 Krzhizhanovskogo str. 117218, Moscow- Russia. Lubricants@gazprom-neft.ru Tel. +7 495 642-99-69 (between 9 AM and 6 PM Moscow time) Fax +7 495 921-48-63
Only Representative	REACHLaw Ltd. Vänrikinkuja 3 JK 21 Espoo FI-02600 Finland Tel. +358(0) 9 412 3055 Email: sds@reachlaw.fi
1.4. 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
2. HAZARDS IDENTIFICATION	
2.1. Classification of the substance or mixture	
Classification of the substance or mixture (EC) No 1272/2008	Asp.Tox.1; H304
2.2. Label elements:	
Regulation (EC) No 1272/2008 (CLP):	 **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.
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.

Масло Gazpromneft Hydraulic HVLP-15

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

	Not applicable: this product is regulated as a mixture.

3.2 Mixtures (EC) No 1272/2008

Chemical Name	Index.No	CAS No	EC No	Reach Registration Number	Conc. %w/w	Classification
Distillates (petroleum), hydrotreated heavy paraffinic	649-467-00-8	64742-54-7	265-157-1	01-2119484627-25-0065	60-70	Asp.Tox.1; H304
Base oil - unspecified - lubricating oils	649-484-00-0	74869-22-0	278-012-2	01-2119495601-36-0023	20-25	Asp.tox H304
Zinc alkyl dithiophosphate	-	68649-42-3	272-028-3	Proprietary	0.5-1.0	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Alkyl phenol	-	128-39-2	204-884-0	01-2119490822-33	0.1-0.5	Skin Irrit. 2, H315 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

Inhalation	Remove casualty to fresh air and keep warm and at rest.
Eye contact	Wash immediately with water.
Skin contact	Wash with plenty of water and soap.
Ingestion	Do not induce vomiting, get medical attention showing the SDS and label hazardous.

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	May be fatal if swallowed and enters airways. Ingestion may cause nausea and vomiting. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show container or label.

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 (CO2); dry chemical; foam; sand; water spray). Extinguishing media which must not be used for safety reasons: none in particular.

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. Wear personal protection equipment. 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 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 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	
Distillates (petroleum), hydrotreated heavy paraffinic	WEL 8-hr limit mg/m^3: 5.4 (long-term inhalativ worker local)
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 into the room air.

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/face protection	Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.
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. ***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.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Yellow liquid
Odour	Petroleum odor
pH	Not applicable
Pour point	< - 50 °C
Initial boiling point and boiling range	Not applicable
Flash point	> 140 °C (Cleveland Open Cup, ASTMD 92)
Evaporation rate	Not applicable
Upper/lower flammability	Not determined
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	> 292 °C
Decomposition temperature	Not applicable
Viscosity (at 40 ^{0}C)	13,50-16,50 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	
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

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.
Distillates (petroleum), hydrotreated heavy paraffinic	Oral LD_{50} >5000 mg/kg (rat) (OECD 401) API (1982a) Dermal LD_{50} >5000 mg/kg (rabbit) (OECD 402) API (1982a) Inhalative LC_{50}/4h 5.53 mg/L (rat) (OECD 403) Exxon Biomedical Sciences, Inc. (1988a)
Acute Toxicity of base 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
Acute Toxicity of zinc dialkyl dithiophosphate	Acute dermal/rat LD_{50}>2000 mg/kg Acute oral/rat LD_{50}:3080 mg/kg
Acute Toxicity of alkyl phenol	Acute dermal/rabbit LD_{50} >2000 mg/kg Acute oral/rat LD_{50}: 8697 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.

a) acute toxicity
b) skin corrosion/irritation
c) serious eye damage/irritation
d) respiratory or skin sensitisation
e) germ cell mutagenicity
f) reproductive toxicity
g) STOT-single exposure
h) STOT-repeated exposure
i) aspiration hazard

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).

12. ECOLOGICAL INFORMATION

12.1. Toxicity	Adopt good working practices, so that the product is not released into the environment.

List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
60-70%	Distillates (petroleum), hydrotreated heavy paraffines	CAS: 64742-54-7 EINECS: 265-157-1	EL_{50}>10000 (24h) mg/L (daphnia magma) (OECD 202) LL_{50} >100 mg/L (algae) >100 mg/L (fishes) >10000 (24h) mg/L (gammarus pulex) (OECD 202) >100 (96h) mg/L (pimephales promelas) (OECD 203)
20-25%	Base oil - unspecified - lubricating oils	CAS: 74869-22-0 EINECS: 278-012-2	EL_{50} a) Aquatic acute toxicity Daphnia magna, 48hr> 10000 mg/L 48h NOELR a) Aquatic acute toxicity Algae Algae> 100 mg/L 72h LL_{50} a) Aquatic acute toxicity Fish > 100 mg/L 96h NOELR b) Aquatic chronic toxicity Daphnia magna, 21 days= 10mg/L NOELR b) Aquatic chronic toxicity Fish = 10 mg/L

12.2. Persistence and degradability	No date is available on this product.
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.
12.6. Other adverse effects	No components with environmental hazard properties.

13. DISPOSAL CONSIDERATIONS

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	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) 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. N.A.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	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
Chemical safety assessment	No data available on this product.
16. OTHER INFORMATION	
Text of Hazard statements in Section 3	H304 – May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H318 - Causes serious eye damage. H400 - Very toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.
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. EC_{50}: Half Maximal Effective Concentration. EINECS: European Inventory of Existing Commercial Chemical Substances. IATA: International Air Transport Association. IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA). LD_{50}: Lethal Dose to 50 % of a test population. LC_{50}: Lethal Concentration to 50 % of a test population. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. WEL: Workplace Exposure Limit.

Classification and procedure used to derived the classification for mixture according to Regulation EC 1272/2006 (CLP)

Classification according to Regulation EC 1272/2006 (CLP)	Classification procedure
H304 May be fatal if swallowed and enters airways	Calculation method.

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: 1.Identification of the substance/preparation and the company 2. Hazards identification 3. Composition/information on ingredients 4. First aid measures 8. Exposure controls/personal protection 11. Toxicological information 12. Ecological information 15. Regulatory information 16. Other information