


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

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Масло G-Energy Expert L 5W-40

Revision 0

Revision date 10.07.2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY	
1.1. Product Identifier	
Product name	Масло G-Energy Expert L 5W-40
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Description	Engine oil
1.3. Details of the supplier of the safety data sheet	"Gazpromneft – lubricants", Ltd, 125A, Profsoyuznaya str., Moscow, 117647, 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	
Regulation (EC) n. 1272/2008 (CLP)	Eye Irrit. 2 Causes serious eye irritation.
Adverse physicochemical, human health and environmental effects:	No other hazards
2.2. Label elements:	
Regulation (EC) No 1272/2008 (CLP):	 Warning H319 Causes serious eye irritation. P280 Wear protective gloves/protective clothing/eye protection/face protection. P337+P313 If eye irritation persists: Get medical advice/attention. P264 Wash hands thoroughly after handling.
2.3 Other hazards	
	No PBT Ingredients are present. No other hazards.

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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
Base oil - unspecified - lubricating oils	649-484-00-0	74869-22-0	278-012-2	01-2119495601-36-0023	35-40	Product is not classified
Distillates (petroleum), hydrotreated heavy paraffinic; base oil unspecified	-	64742-54-7	265-157-1	01-2119484627-25	40-50	Asp. Tox. 1, H304
Zinc dialkyl dithiophosphate	-	68649-42-3	272-028-3	Proprietary	1-1.5	Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 2, H411
Calcium long-chain alkylphenate sulfide	-	Proprietary			0.5-1.0	Aquatic Chronic 4, H413
Alkaryl amine	-	Proprietary			0.5-1.0	Aquatic Chronic 4, H413
Organomolybdenum amide	-	Proprietary			0.5-1.0	Aquatic Chronic 2, H411

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**

In case of inhalation:	Remove casualty to fresh air and keep warm and at rest.
In case of eye contact:	After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.
In case of skin contact:	Immediately take off all contaminated clothing. Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath). Remove contaminated clothing immediately and dispose off safely. After contact with skin, wash immediately with soap and plenty of water.
In case of ingestion:	Do not induce vomiting, get medical attention showing the SDS and label hazardous.

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

Inhalation	No further relevant information available.
Eye contact	Eye irritation/Eye damages
Skin contact	Repeated or prolonged exposure may cause dermatitis.
Ingestion	No further relevant information available.

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

	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
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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). 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	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	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 vapours and mists. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working.
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7.1. Precautions for safe handling	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	
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	Eye protection: Safety Glasses.
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: Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
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	Homogenous, viscous liquid
Odour	Petroleum odor
pH	Not applicable
Pour point	< - 40 °C
Initial boiling point and boiling range	Not applicable
Flash point	>200 °C (Cleveland Open Cup, ASTM D 92)
Evaporation rate	Not applicable
Upper/lower flammability	181 °C / 226 °C
Vapour density	Not applicable
Vapour pressure	<0.01 kPa
Relative density	Not determined
Solubility in water	Insoluble

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Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	>340 °C
Decomposition temperature	Not applicable
Viscosity (at 100 °C)	13,50-15,50 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	

Product / ingredient name	Acute Toxicity
Base oil - unspecified - lubricating oils	LD ₅₀ Oral Rat > 5000 mg/kg LD ₅₀ Skin Rabbit > 2000 mg/kg LC ₅₀ Inhalation Rat > 5000 mg/m ³
Distillates (petroleum), hydrotreated heavy paraffinic; base oil unspecified	LD ₅₀ Oral Rat > 5000 mg/kg LD ₅₀ Skin Rabbit > 2000 mg/kg LC ₅₀ Inhalation Rat > 5000 mg/m ³
Zinc dialkyl dithiophosphate	LD ₅₀ Dermal Rat >2000 mg/kg LD ₅₀ Oral Rat: 2230 mg/kg LD ₅₀ Oral Rat :3100 mg/kg
Calcium long-chain alkylphenate sulfide	LD ₅₀ Dermal Rabbit >2000 mg/kg LD ₅₀ Oral Rat >5000 mg/kg
Alkaryl amine	LD ₅₀ Oral Rat >5000 mg/kg LD ₅₀ Oral Rat >5000 mg/kg
Organomolybdenum amide	LD ₅₀ Dermal Rabbit >2000 mg/kg LD ₅₀ Oral Rat >5000 mg/kg

Conclusion/Summary: Based on available data, the classification criteria are not met.

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Skin corrosion/irritation	The product has not been tested. Evaluation has been made through data of components. Prolonged or repeated exposure may cause irritation to skin and mucous membranes.
Serious eye damage /irritation	Eye Irrit. 2 Causes serious eye irritation. The product has not been tested. Evaluation has been made through data of components.
Respiratory or skin sensitization	Product is not classified as a skin/respiratory sensitizer. Based on test data of the skin sensitizing ingredient/s at similar or higher concentrations than are present in this product.
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).
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1. Toxicity	Adopt good working practices, so that the product is not released into the environment.
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Eco-Toxicological Information:**List of components with eco-toxicological properties:**

Quantity	Component	Ident. Numb	Ecotox Infos.
80-90 %	Base oil - unspecified - lubricating oils	CAS: 74869-22-0 - EINECS: 278-012-2	EL ₅₀ a) Aquatic acute toxicity Daphnia Magna > 10000 mg/L 48h NOELR a) Aquatic acute toxicity Algae > 100 mg/L 72h LL ₅₀ a) Aquatic acute toxicity Fish > 100 mg/L 96h NOELR b) Aquatic chronic toxicity Daphnia Magna = 10 mg/L 21 days NOELR b) Aquatic chronic toxicity Fish = 10 mg/L EL ₅₀ a) Aquatic acute toxicity Daphnia Magna > 10000 mg/L 48h
0.5-1.0	Organomolybdenum amide	Proprietary	EC ₅₀ Aquatic acute toxicity 1.5 mg/l Algae 72 hours Acute EC ₅₀ 1.5 mg/l Daphnia 48 hours Acute LC ₅₀ >10 mg/l Fish 96 hours Acute LC ₅₀ 0.1 to 1 mg/l Fish 96 hours

Conclusion/Summary: Based on available data, the classification criteria are not met. The product is not expected to be harmful to aquatic organisms. The statement has been derived from the properties of the individual components.

12.2. Persistence and degradability	No date is available on this product. Base oil - unspecified - lubricating oils: non-readily biodegradable. Zinc dialkyl dithiophosphate: non-readily biodegradable.
12.3. Bio accumulative potential	No date is available on this product.
12.4. Mobility in soil	No date is available on this product.
12.5. Results of PBT and vPvB assessment	No PBT Ingredients are present.
12.6. Other adverse effects	No components with environmental hazard properties.

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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.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
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. 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): German Water Hazard Class. - N.A. Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: 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. H319- Causes serious eye irritation.

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Text of Hazard statements in Section 3	H411- Toxic to aquatic life with long-lasting effects. H413-May cause long lasting harmful effects to aquatic life.
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. STOT: Specific Target Organ Toxicity. 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
Eye Irrit. 2 Causes serious eye irritation.	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	New version