

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31, Annex II as amended.

Page 1/9


G-Energy Synthetic Active 5W-40

Revision 0
Revision date 05.06.2018

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1. Product Identifier	
Product name	G-Energy Synthetic Active 5W-40
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Description	Engine oil for modern gasoline and diesel engines of passenger cars, off-roaders and light commercial vehicles.
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 (for CAS 74869-22-0, CAS 64742-54-7)	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) No 1272/2008 (CLP):	Eye Irrit.2 - Causes serious eye irritation. Aquatic Chronic 3-Harmful to aquatic life with long lasting effects.
Adverse physicochemical, human health and environmental effects:	No other hazards
2.2. Label elements:	
Regulation (EC) No 1272/2008 (CLP):	Pictograms and Signal Words:  Warning H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects. P264 Wash hands Thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

G-Energy Synthetic Active 5W-40Revision 0
Revision date 05.06.2018

Regulation (EC) No 1272/2008 (CLP):	P337+P313 If eye irritation persists: Get medical advice /attention. P501 Dispose of contents/container in accordance with applicable regulations. Contains: benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts. May produce an allergic reaction.
Special provisions according to Annex XVII of REACH and subsequent amendments:	None

2.3 Other hazards

No PBT Ingredients are present. No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable: this product is regulated as a mixture.

3.2 Mixtures (EC) No 1272/2008

Mixture identification: G-Energy Synthetic Active 5W-40

Chemical Name	Index. No	CAS No	EC No	Reach Registration Number	Conc. (%w/w)	Classification
Distillates (petroleum), hydrotreated heavy paraffinic	-	64742-54-7	265-157-1	01-2119484627-25-0079	60-70	DECLL(*)
Base oil - unspecified - lubricating oils	649-484-00-0	74869-22-0	278-012-2	01-2119495601-36-0023	10-20	Asp. Tox. 1, H304, DECLL(*)
Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and succinic anhydride monopolyisobutenyl derivs.	-	147880-09-9	604-611-9	**	1-5	Aquatic Chronic 4, H413
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	-	68784-31-6	272-238-5	01-2119657973-23-0000	1-5	Aquatic Chronic2,H411 Eye Dam.1, H318
Bis(nonylphenyl)amine	-	36878-20-3	253-249-4	01-2119488911-28	0,1-1,0	Aquatic Chronic 4, H413
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	-	722503-68-6	n/a	**	0,1-1,0	Aquatic Chronic 4, H413 Skin Sens.1B, H317

(*)DECLL Substance classified in accordance with Note L, Annex VI of EC Regulation (EC) 1272/2008.

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. This note applies only to certain complex oil-derived substances in Part 3.

** Not available or substance is not currently required for registration under REACH.

4. FIRST AID MEASURES**4.1. Description of first aid measures**

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.
---------------------------------	--

G-Energy Synthetic Active 5W-40Revision 0
Revision date 05.06.2018

In case of eyes 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 Ingestion:	Do not induce vomiting, get medical attention showing the SDS and label hazardous.
In case of Inhalation:	Remove casualty to fresh air and keep warm and at rest.
4.2. Most important symptoms and effects, both acute and delayed	
	Eye irritation / Eye damages
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).
5. FIRE-FIGHTING MEASURES	
5.1. Extinguishing media	Suitable extinguishing media: Water. Carbon dioxide (CO ₂). Extinguishing media which must not be used for safety reasons: None in particular.
5.2. Special hazards arising from the substance or mixture	Do not inhale explosion and combustion gases. Burning produces heavy smoke.
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	Wear personal protection equipment. Remove persons to safety. 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 gas escape or 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	Suitable material for taking up: absorbing material, organic, sand Wash 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. See also section 8 for recommended protective equipment.
7.2. Conditions for safe storage, including any incompatibilities	Incompatible materials: None in particular. Instructions as regards storage premises: Adequately ventilated premises.
7.3. Specific end use(s)	Recommendation(s): None in particular Industrial sector specific solutions: None in particular

G-Energy Synthetic Active 5W-40

Revision 0
Revision date 05.06.2018**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****List of components with OEL value:**

Component	OEL Type Country	Long Term	Short Term	Note
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH	5.000 mg/m ³	10.000 mg/m ³	-

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC. LIMIT	Exposure Route
Bis(nonylphenyl)amine	36878-20-3	0.100 mg	Fresh Water
		0.010 mg/l	Marine water
		132000.000 mg/kg	Freshwater sediments
		13200.000 mg/kg	Marine water sediments
		263000.000 mg/kg	Soil (agricultural)

Derived No Effect Level. (DNEL)

Component	CAS-No.	Worker Professional	Consumer	Exposure Route	Exposure Frequency
Bis(nonylphenyl) amine	36878-20-3	0.620 mg/kg	-	Human Dermal	Long Term, systemic effects
		4.370 mg/kg	-	Human Inhalation	Long Term, systemic effects
		-	0.310 mg/kg	Human Dermal	Long Term, systemic effects
		-	1.090 mg/kg	Human Inhalation	Long Term, systemic effects
		-	0.310 mg/kg	Human Oral	Long Term, systemic effects

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.
Eye protection:	Safety Glasses.
Protection for skin:	Use nitrile or neoprene gloves. Long sleeve shirt is recommended. Wear chemically protective clothes when contact with material may occur. Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes. Launder contaminated clothing.
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.
Appropriate engineering controls:	n/a

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Homogenous, viscous liquid, red colour
Odour	Characteristic

G-Energy Synthetic Active 5W-40Revision 0
Revision date 05.06.2018

pH	Not applicable
Pour point	< - 37 °C
Initial boiling point and boiling range	Not applicable
Flash point	>200 °C (ASTM D 92 (Cleveland Open Cup))
Evaporation rate	Not applicable
Upper/lower flammability	No data available
Vapour density	Not applicable
Vapour pressure	No data available
Density	Typ. 858 kg/m ³ @15 °C
Solubility	Soluble in hydrocarbons / Insoluble in water
Partition coefficient: n-octanol /water	Not determined
Auto-ignition temperature	> 346 °C
Decomposition temperature	Not applicable
Viscosity (at 100 °C)	14,00-15,50 mm ² /s (ASTM D 445)
Explosive properties	Not applicable
Oxidizing properties	Not determined
Volatile Organic compounds	Not applicable
Other information	
Miscibility	Not applicable
Conductivity	Not applicable
10. STABILITY AND REACTIVITY	
10.1. Reactivity	Stable under normal conditions
10.2. Chemical stability	Data not Available.
10.3. Passivity of hazardous reactions	None.
10.4. Conditions to avoid	Stable under normal conditions.
10.5. Incompatible materials	None in particular.
10.6. Hazardous decomposition products	None.
11. TOXICOLOGICAL INFORMATION	
11.1. Information on toxicological effects	
Toxicological information of the mixture	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.
Acute Toxicity of Distillates (petroleum) hydrotreated heavy paraffinic; base oil unspecified	LD50 Skin > 2000.00000 LD ₅₀ Oral > 5000.00000
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	Causes serious eye irritation.
Respiratory or skin sensitization	Skin: No data available. Respiratory: No data available to indicate product or components may be respiratory sensitizers.

G-Energy Synthetic Active 5W-40

Revision 0
Revision date 05.06.2018

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	Not Applicable
Reproductive toxicity	Not Applicable
STOT-single exposure	Not Applicable
STOT-repeated exposure	Not Applicable
Aspiration hazard	Not Applicable

12. ECOLOGICAL INFORMATION

12.1. Toxicity	<p>Eco-Toxicological Information: <i>Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</i> Adopt good working practices, so that the product is not released into the environment.</p>
-----------------------	--

List of components with eco-toxicological properties

Quantity	Component	Ident. Numb.	Ecotox Infos
60-70	Distillates (petroleum), hydrotreated heavy paraffinic	CAS: 64742-54-7 EC: 265-157-1	a) Aquatic acute toxicity: EL ₅₀ Worm > 10000.00000 mg/L a) Aquatic acute toxicity: NOELR Algae > 100.00000 mg/L a) Aquatic acute toxicity: LLC Fish > 100.00000 mg/L b) Aquatic chronic toxicity: NOELR Worm 10.00000 mg/L b) Aquatic chronic toxicity: NOELR Fish 10.00000 mg/L
0,1-1,0	Bis(nonylphenyl)amine	CAS: 36878-20-3 EC: 253-249-4	a) Aquatic acute toxicity: LC ₅₀ Danio Rerio > 100.00000 mg/L 96h a) Aquatic acute toxicity: EC ₅₀ Daphnia > 100.00000 mg/L 48h a) Aquatic acute toxicity: EC ₅₀ Algae > 100.00000 mg/L 72h

12.2. Persistence and degradability	No data available for this product. Components: Distillates (petroleum), hydrotreated heavy paraffinic: Non-readily biodegradable Bis(nonylphenyl)amine: (Non-readily biodegradable 1 % (28d))
12.3. Bio accumulative potential	No data available for this product. Components: Bis (nonylphenyl) amine Kow - Partition coefficient 7.600
12.4. Mobility in soil	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.
12.5. Results of PBT and vPvB assessment	No PBT ingredients are present.
12.6. Other adverse effects	No Components with environmental hazard properties found.

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.

G-Energy Synthetic Active 5W-40Revision 0
Revision date 05.06.2018

14.2. UN proper shipping name	ADR-Shipping Name: not applicable. IATA-Technical name: not applicable. IMDG-Technical name: not applicable.
14.3. Transport hazard class(es)	ADR-Class: not applicable. IATA-Class: not applicable. IMDG-Class: 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) 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) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU)2015/830 Provisions related to directive EU 2012/18 (Seveso III): German Water Hazard Class. Class 1: slightly hazardous for water. 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: 3 Restrictions related to the substances contained: None
Chemical safety assessment	No Chemical Safety Assessment has been carried out for the mixture.
16. OTHER INFORMATION	
Text of Hazard statements in Section 3	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

G-Energy Synthetic Active 5W-40Revision 0
Revision date 05.06.2018

Text of Hazard statements in Section 3	<p>H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. Code Hazard class and hazard category Description 3.10/1 Asp. Tox. 1 Aspiration hazard, Category 1 3.3/1 Eye Dam. 1 Serious eye damage, Category 1 3.3/2 Eye Irrit. 2 Eye irritation, Category 2 3.4.2/1 Skin Sens. 1 Skin Sensitisation, Category 1 4.1/C2 Aquatic Chronic 2 Chronic (long term) aquatic hazard, category 2 4.1/C3 Aquatic Chronic 3 Chronic (long term) aquatic hazard, category 3 4.1/C4 Aquatic Chronic 4 Chronic (long term) aquatic hazard, category 4</p>
Legend to abbreviations and acronyms used in the safety data sheet:	<p>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). CLP: Classification, Labeling, Packaging. CMR: Carcinogenic, Mutagenic and Reprotoxic DMEL: Derived Minimal Effect Level DNEL: Derived No Effect Level. EC₅₀: Half Maximal Effective Concentration ECHA: European Chemicals Agency EINECS: European Inventory of Existing Commercial Chemical Substances. IARC: International Agency for Research on Cancer IATA: International Air Transport Association. IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA). IC₅₀: half maximal inhibitory concentration ICAO: International Civil Aviation Organization. IMDG: International Maritime Code for Dangerous Goods. LC₅₀: Lethal concentration, for 50 percent of test population. LD₅₀: Lethal dose, for 50 percent of test population. N.A.: Not Applicable NA: Not available NIOSH: National Institute for Occupational Safety and Health NOAEL: No Observed Adverse Effect Level OSHA: Occupational Safety and Health Administration. PBT: Persistent, Bioaccumulative and Toxic PNEC: Predicted No Effect Concentration. RID: Regulation Concerning the International Transport of Dangerous Goods by Rail. STEL: Short Term Exposure limit.</p>

G-Energy Synthetic Active 5W-40Revision 0
Revision date 05.06.2018**Legend to abbreviations and acronyms used in the safety data sheet:**

STOT: Specific Target Organ Toxicity.
 TLV: Threshold Limiting Value.
 TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
 vPvB: Very Persistent, Very Bioaccumulative.
 WGK: German Water Hazard Class.

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. Aquatic Chronic 3-Harmful to aquatic life with long lasting effects.	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 0

New version