





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

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**ГАЗПРОМНЕФТЬ АНТИФРИЗ 40**  
**GAZPROMNEFT ANTIFREEZE 40**

Revision 1  
Revision date 24.11.2015

<b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY</b>	
<b>1.1. Product Identifier</b>	
<b>Product name</b>	ГАЗПРОМНЕФТЬ АНТИФРИЗ 40 GAZPROMNEFT ANTIFREEZE 40
<b>1.2. Relevant identified uses of the substance or mixture and uses advised against</b>	
<b>Description</b>	Ready for use antifreeze in the cooling systems of all types of liquid-cooled automotive combustion engines.
<b>1.3. Details of the supplier of the safety data sheet</b>	“Gazpromneft – lubricants”, Ltd, 125A, Profsoyuznaya str., Moscow, 117647, Russia. <a href="mailto:Lubricants@gazprom-neft.ru">Lubricants@gazprom-neft.ru</a> Tel. +7 495 642-99-69 (between 9 AM and 6 PM Moscow time) Fax +7 495 921-48-63
<b>Only Representative</b> (For Ethyleneglycol)	Company name: Gazprom Marketing and Trading France Address: 68 avenue des Champs-Élysées, Paris, 75008, France Contact phone: +33 1 42 99 73 50 Fax: +33 1 42 99 73 99 Email address: yury.severinchik@gazprom-mt.com
<b>Only Representative</b> (For Sodium Nitrite, Disodium Tetraborate, Anhydrous)	Experien Chemical Services (Europe) Limited YO7 9AN - United Kingdom T 44 7791 573385
<b>1.4. Emergency telephone number</b>	1-760-476-3962 (America) 1-760-476-3961 (Europe, Middle East&Africa) 1-760-476-3960 (Asia Pacific): Global Response Access Code: 333497
<b>2. HAZARDS IDENTIFICATION</b>	
<b>2.1. Classification of the substance or mixture</b>	
<b>Regulation (EC) No 1272/2008 (CLP):</b>	Acute Tox. 4 Harmful if swallowed. STOT RE 2 May cause damage to organs through prolonged or repeated exposure.
<b>Adverse physicochemical, human health and environmental effects:</b>	No other hazards
<b>2.2. Label elements:</b>	
<b>Regulation (EC) No 1272/2008 (CLP):</b>	  <b>Warning</b> H302 Harmful if swallowed. H373 May cause damage to organs through prolonged or repeated exposure. P314 Get medical advice/attention if you feel unwell.

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<b>Regulation (EC) No 1272/2008 (CLP):</b>	P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P311 IF SWALLOWED: Call a POISON CENTER. P501.A Dispose of contents/container in accordance with applicable regulations. Contains: ethyleneglycol.
<b>Special provisions according to Annex XVII of REACH and subsequent amendments:</b>	None
<b>Ingredient(s) with unknown acute toxicity:</b>	None

### 2.3 Other hazards

	No additional information available. Avoid uses not listed in section 1, unless technical expert advice. It's precautionary reduce chemical exposure, in any case.
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

	Not applicable: this product is regulated as a mixture.
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### 3.2 Mixtures (EC) No 1272/2008

Chemical Name	Index.No	CAS No	EC No	Reach Registration Number	Conc. (%w/w)	Classification
Ethyleneglycol (ethanediol)	603-027-00-1	107-21-1	203-473-3	01-2119456816-28-0025	50-55	Acute Tox. 4, H302; STOT RE 2, H373
Sodium Nitrite	007-010-00-4	7632-00-0	231-555-9	17-2119389152-38-0000	0.1-1.0	Ox. Sol. 2, H272; Acute Tox. 3, H301; AquaticAcute 1, H400
Disodium Tetraborate, Anhydrous	005-011-00-4	1330-43-4	215-540-4	01-2119490790-32-0016	0.1-0.5	Repr. 1B, H360FD*

\* C >= 4.5 Repr. 1B, H360FD

### Further information

	Full text for all Hazard statements, mentioned in this section, are displayed in Section 16.
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## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>In case of inhalation:</b>	Remove casualty to fresh air and keep warm and at rest.
<b>In case of eye contact:</b>	Wash immediately with water.
<b>In case of skin contact:</b>	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.

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<b>In case of ingestion:</b>	Give nothing to eat or drink. Seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
<b>Inhalation</b>	No further relevant information available
<b>Eye contact</b>	No further relevant information available
<b>Skin contact</b>	No further relevant information available.
<b>Ingestion</b>	Harmful if swallowed.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	
	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>5. FIRE-FIGHTING MEASURES</b>	
<b>5.1. Extinguishing media</b>	Use extinguishing media appropriate to the surrounding fire conditions (carbon dioxide (CO <sub>2</sub> ); dry chemical; alcohol-resistant foam; sand; water spray). Extinguishing media which must not be used for safety reasons: none in particular.
<b>5.2. Special hazards arising from the substance or mixture</b>	Do not inhale explosion and combustion gases. Burning produces heavy smoke.
<b>5.3. Advice for firefighters</b>	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.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.
<b>6.2. Environmental precautions</b>	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.
<b>6.3. Methods and material for containment and cleaning up</b>	Suitable material for taking up: absorbing material, organic, sand Wash with plenty of water.
<b>6.4. Reference to other sections</b>	See also section 8 and 13
<b>7. HANDLING AND STORAGE</b>	
<b>7.1. Precautions for safe handling</b>	Avoid contact with skin and eyes, inhalation of vapours and mists. Exercise the greatest care when handling or opening the container. 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.

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<b>7.1. Precautions for safe handling</b>	Do not eat or drink while working. See also section 8 for recommended protective equipment.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Incompatible materials: none in particular. Instructions as regards storage premises: adequately ventilated premises.
<b>7.3. Specific end use(s)</b>	No data is available on this product.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

##### List of components with OEL value

Component	OEL Type	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm
Ethylenglycol	EU	52.000	20.000	104.000	40.000
Disodium tetraborate, anhydrous	ACGIH	2	-	6	-

#### 8.2. Exposure controls

<b>8.2.1. Appropriate engineering controls</b>	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.
<b>8.2.2. Individual protection measures:</b>	Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
<b>Eye/face protection</b>	Safety Glasses.
<b>Skin protection-Hand protection</b>	<b>Protection for skin:</b> 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. <b>Protection for hands:</b> Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
<b>Respiratory protection</b>	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.
<b>Hygienic and Technical measures</b>	Wash thoroughly after handling this product. Do not eat, drink or smoke when using this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Red liquid
<b>Odour</b>	Mild
<b>pH</b>	7,5-10,0
<b>Chilling point</b>	< - 37 °C
<b>Initial boiling point and boiling range</b>	> 108 °C
<b>Flammability</b>	Non flammable

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<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	No data available
<b>Vapour density</b>	Not applicable
<b>Vapour pressure</b>	No data available
<b>Density</b>	1.065-1.077 (at 20 °C )
<b>Solubility</b>	Soluble in water.
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not applicable
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	Not applicable
<b>Oxidizing properties</b>	Not determined
<b>Volatile Organic compounds - VOCs</b>	Not applicable
<b>Other information</b>	
<b>Miscibility</b>	Not applicable
<b>Conductivity</b>	Not applicable
<b>10. STABILITY AND REACTIVITY</b>	
<b>10.1. Reactivity</b>	This product has no significant hazards with respect to reactivity. Stable under normal conditions
<b>10.2. Chemical stability</b>	Stable under normal temperatures and pressures. Hygroscopic (absorbs moisture from the air). Will not decompose if stored and used as recommended.
<b>10.3. Passivity of hazardous reactions</b>	Will not occur. Stable under normal conditions.
<b>10.4. Conditions to avoid</b>	Elevated temperatures, sparks and open flames.
<b>10.5. Incompatible materials</b>	None in particular.
<b>10.6. Hazardous decomposition products</b>	No hazardous decomposition products if stored and handled as prescribed/indicated.
<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>11.1. Information on toxicological effects</b>	
<b>Acute Toxicity</b>	Acute Tox. 4 Harmful if swallowed.
<b>Toxicological information on main components of the mixture:</b>	
<b>Ethyleneglycol</b>	LD <sub>50</sub> Skin Mouse > 3500 mg/kg LD <sub>50</sub> Oral Rat: 7712 mg/kg LC <sub>50</sub> (6 h): Inhalation Rat > 2.5 mg/l
<b>Sodium Nitrite</b>	LD <sub>50</sub> oral rat: 85 mg/kg LD <sub>50</sub> oral 77: mg/kg LC <sub>50</sub> inhalation rat: (mg/l) 5.5 mg/l/4h
<b>Disodium tetraborate, anhydrous</b>	LD <sub>50</sub> oral rat: 2660 mg/kg LD <sub>50</sub> oral: 1200 mg/kg LD <sub>50</sub> dermal rabbit > 2000 mg/kg
<b>Skin corrosion/irritation</b>	Not Applicable
<b>Serious eye damage/irritation</b>	Not Applicable

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<b>Respiratory or skin sensitization</b>	Not Applicable
<b>Carcinogenicity</b>	The product is not carcinogenic. Evaluation has been made through data of components.
<b>Germ cell mutagenicity</b>	Not Applicable
<b>Reproductive toxicity</b>	Not Applicable
<b>STOT-single exposure</b>	Not Applicable
<b>STOT-repeated exposure</b>	STOT RE 2 May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Not Applicable

### 12. ECOLOGICAL INFORMATION

<b>12.1. Toxicity</b>	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

Quantity	Component	Ident. Numb.	Ecotox Infos
50-55 %	Ethylene glycol	CAS:107-21-1	Short-term toxicity testing on fish: LC <sub>50</sub> (96 h): 72860 mg/L Long-term toxicity to fish : NOEC (7 d): 15380 mg/L Short-term toxicity to aquatic invertebrates (Daphnia Magna): EC <sub>50</sub> (48 h): > 100 mg/L EC <sub>50</sub> (3,6,24 h) (48 h): > 100 mg/L Algae: EC <sub>50</sub> (96 h): 6500-13000 mg/L
0.1-1.0%	Sodium Nitrite	CAS:7632-00-0	LC <sub>50</sub> fishes1: 0.19 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) LC <sub>50</sub> fish2: 0.092 - 0.13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
0.1-0.5 %	Disodium Tetraborate, Anhydrous	CAS:1330-43-4	LC <sub>50</sub> fishes: 340 mg/l (Exposure time: 96 h - Species: Limanda limanda) EC <sub>50</sub> Daphnia : 1085 - 1402 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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

<b>12.2. Persistence and degradability</b>	No date is available on this product.
<b>12.3. Bio accumulative potential</b>	No date is available on this product.
<b>12.4. Mobility in soil</b>	No date is available on this product.
<b>12.5. Results of PBT and vPvB assessment</b>	Component: Disodium Tetraborate, Anhydrous (1330-43-4). This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
<b>12.6. Other adverse effects</b>	No date is available on this product.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

<b>Disposal methods</b>	Dispose of in compliance with all local and national regulations. Contact a licensed waste disposal company.
<b>Disposal of packaging</b>	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
<b>Further information</b>	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

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<b>14. TRANSPORT INFORMATION</b>	
<b>Not classified as dangerous in the meaning of transport regulations.</b>	
<b>14.1. UN number</b>	Not applicable.
<b>14.2. UN proper shipping name</b>	ADR-Shipping Name: not applicable. IATA-Technical name: not applicable. IMDG-Technical name: not applicable.
<b>14.3. Transport hazard class(es)</b>	ADR-Class: not applicable. IATA-Class: not applicable. IMDG-Class: not applicable.
<b>14.4. Packing group</b>	Not applicable.
<b>14.5. Environmental hazards</b>	No data available
<b>14.6. Special precautions for user</b>	Not applicable.
<b>ADR/RID</b>	The product is not classified as dangerous for carriage.
<b>IMDG</b>	The product is not classified as dangerous for carriage.
<b>IATA</b>	The product is not classified as dangerous for carriage.
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>15. REGULATORY INFORMATION</b>	
<b>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Regulation (EC) n. 1907/2006 (REACH) 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. - Not applicable.
<b>15.1.1. EU-Regulations</b>	Contains no substances with Annex XVII restrictions. Contains substance on the candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Disodium tetraborate, anhydrous (EC 215-540-4, CAS 1330-43-4). Contains no REACH Annex XIV substances.
<b>Chemical safety assessment</b>	No data available on this product.
<b>16. OTHER INFORMATION</b>	
<b>Text of Hazard statements in Section 3</b>	H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H302 Harmful if swallowed. H360 May damage fertility or the unborn child <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.

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### 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.  
 EC<sub>50</sub>: 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).  
 LC<sub>50</sub>: Lethal concentration, for 50 percent of test population.  
 LD<sub>50</sub>: Lethal dose, for 50 percent of test population.  
 LDLo: Leathal Dose Low  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
 STOT: Specific Target Organ Toxicity.  
 SVHC: Substances of Very High Concern.  
 TLV: Threshold Limiting Value.  
 TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
 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
Acute Tox. 4 Harmful if swallowed. STOT RE 2 May cause damage to organs through prolonged or repeated exposure.	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-Only Representative  
 4-First aid measures  
 11-Toxicological information