



SAFETY DATA SHEET

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

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Масло закалочное Термойл-26 (Quenching oil Gazpromneft Thermoil-26)

Revision 1

Revision date 02.04.2018

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1. Product Identifier	
Product name	Масло закалочное Термойл-26 Quenching oil Gazpromneft Thermoil-26
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Description	Cold Quenching 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 (for CAS 74869-22-0)	
	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):	Aquatic Chronic 3 - Harmful to aquatic life with long lasting effects.
2.2. Label elements:	
Regulation (EC) No 1272/2008 (CLP):	H412 Harmful to aquatic life with long lasting effects. P273 Avoid release to the environment. P501.A Dispose of contents/container in accordance with applicable regulations.
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.

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
Base oil - unspecified - lubricating oils	649-484-00-0	74869-22-0	278-012-2	01-2119495601-36-0023	>99	DECLL(*)
2,6-di-tret-butyl-p-cresol	-	128-37-0	204-881-4	Not available**	0.1-0.5	Aquatic Chronic 1, H410

(*) 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.

** If REACH registration numbers do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration, the registration date has not yet come due or this information is proprietary.

Description

	All base oils contained in this product have a value of < 3% w DMSO extract according to IP 346/92.
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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

In case of skin contact:	Wash with plenty of water and soap.
In case of eyes contact:	Wash immediately with water.
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

	No further relevant information available.
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4.3. Indication of any immediate medical attention and special treatment needed

	Seek medical attention if irritation or symptoms persist
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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.
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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.
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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.
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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.
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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. 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	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)
2,6-di-tret-butyl-p-cresol	WEL 8-hr limit mg/m ³ : 2.0
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.
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 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: 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Homogenous, viscous liquid
Odour	Petroleum odor
pH	Not applicable
Pour point	Not determined
Initial boiling point/boiling range	Not determined
Flash point	>205 °C (Cleveland Open Cup, ASTM D 92)
Evaporation rate	Not applicable
Upper/lower flammability	Not determined
Vapour density	Not applicable
Vapour pressure	<0.01 kPa
Density	< 890,0 kg/m ³ (@ 20 °C)
Solubility in water	Insoluble
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	>340 °C
Decomposition temperature	Not applicable
Viscosity (at 40 °C)	35,00-41,00 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	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.
Toxicological information on main components of the mixture:	
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 2,6-di-tert-butyl-p-cresol	Acute oral/rat LD ₅₀ > 2000 mg/kg Acute dermal/rat LD ₅₀ > 2000 mg/kg

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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 sensitization	The product has not been tested. Evaluation has been made through data of components.
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

12. ECOLOGICAL INFORMATION

12.1. Toxicity	Adopt good working practices, so that the product is not released into the environment. <i>Eco-Toxicological Information: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</i>
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Quantity	Component	Ident. Numb	Ecotox Infos.
> 99%	Base oil - unspecified - lubricating oils	CAS: 74869-22-0 EINECS: 278-012-2	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 = 10 mg/L 21 days NOELR b) Aquatic chronic toxicity Fish = 10 mg/L
0.1-0.5%	2,6-di-tert-butyl-p-cresol	CAS: 128-37-0 EINECS: 204-881-4	Aquatic acute toxicity LC50 = 0.464 mg/L fish, estimated LC50 = 0.386 mg/L aquatic invertebrate, estimated LC50 = 0.577 mg/L green algae, estimated Chronic Toxicity: NOEC = 0.053 mg/L fish, measured NOEC = 0.041 mg/L fish, estimated NOEC = 0.061 mg/L aquatic invertebrate, estimated NOEC = 0.363 mg/L green algae, estimated

12.2. Persistence and degradability	No date is available on this product. Base oil - unspecified - lubricating oils: non-readily biodegradable.
12.3. Bio accumulative potential	No date is available on this product.
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 date is available on this product.

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.

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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	<p>Dir. 98/24/EC (Risks related to chemical agents at work)</p> <p>Dir. 2000/39/EC (Occupational exposure limit values)</p> <p>Regulation (EC) n. 1907/2006 (REACH)</p> <p>Regulation (EC) n. 1272/2008 (CLP)</p> <p>Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013</p> <p>Regulation (EU) n. 286/2011 (ATP 2 CLP)</p> <p>Regulation (EU) n. 618/2012 (ATP 3 CLP)</p> <p>Regulation (EU) n. 487/2013 (ATP 4 CLP)</p> <p>Regulation (EU) n. 944/2013 (ATP 5 CLP)</p> <p>Regulation (EU) n. 605/2014 (ATP 6 CLP)</p> <p>Regulation (EU)2015/830</p> <p>Provisions related to directive EU 2012/18 (Seveso III):</p> <p>German Water Hazard Class.</p> <p>Class 1: slightly hazardous for water.</p> <p>Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:</p> <p>Restrictions related to the substances contained: None</p>
Chemical safety assessment	No data available on this product.
16. OTHER INFORMATION	
Text of Hazard statements in Section 3	H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Legend to abbreviations and acronyms used in the safety data sheet:	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society).</p> <p>CLP: Classification, Labeling, Packaging.</p> <p>DMSO: Dimethyl sulfoxide.</p> <p>EC₅₀: Half Maximal Effective Concentration.</p>

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Legend to abbreviations and acronyms used in the safety data sheet:	<p>EINECS: European Inventory of Existing Commercial Chemical Substances.</p> <p>IATA: International Air Transport Association.</p> <p>IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).</p> <p>LD₅₀: Lethal Dose to 50 % of a test population.</p> <p>LC₅₀: Lethal Concentration to 50 % of a test population</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>STOT: Specific Target Organ Toxicity.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>WEL: Workplace Exposure Limit.</p>
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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP)

Classification according to Regulation EC 1272/2006 (CLP)	Classification procedure
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 1	<p>This document differs from the previous version in the following areas:</p> <ol style="list-style-type: none"> 1. Identification of the substance/preparation and the company 3. Composition/information on ingredients 4. First aid measures 8. Exposure controls/personal protection 11. Toxicological information 12. Ecological information 15. Regulatory information