In accordance with Regulation (EU) No. 2020/878 amending Annex II to Regulation (EC) No. 1907/2006 (REACH)

# SAFETY DATA SHEET

**Gazpromneft Super 10W-30**

**Revision**
**2**
**Revision date**
**02.09.2020**

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1. Product Identifier**

| | |
|---|---|
| **Trade name** | Gazpromneft Super 10W-30 |
| **Trade code** | N.A. |

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

| | |
|---|---|
| **Recommended use** | Engine oil |
| **Uses advised against** | N.A. |

**1.3. Details of the supplier of the safety data sheet**

| | |
|---|---|
| **Manufacturer** | "Gazpromneft – lubricants" LTD,<br>125A, Profsoyuznaya str.,<br>Moscow, 117647, Russia.<br>Email: Lubricants@gazprom-neft.ru<br>Tel.: +7 495 642-99-69 (between 9 AM and 6 PM Moscow time)<br>Fax: +7 495 921-48-63 |
| **Supplier** | "Deny Trade" LTD,<br>Office: Stara Zagora 6000, 105 Tsar Simeon Veliki Blvd., 3rd floor<br>Warehouse: Zagora 6000, Kolyo Ganchev district, Agricultural aviation<br>Tel./Fax: 042 606 899<br>service@maslagaz.com |

**1.4. Emergency telephone**

| | |
|---|---|
| **National emergency telephone** | 112 |
| **National Toxicological Information Center, MHAT and Emergency Medicine "N. I. Pirogov"** | Emergency telephone / fax: +359 2 9154 409<br>Email: poison_centre@mail.orbitel.bg<br>http://www.pirogov.bg |

## 2. HAZARDS IDENTIFICATION

**2.1. Classification of the substance or mixture**

| | |
|---|---|
| **Classification according to Regulation (EC) No. 1272/2008 (CLP)** | The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).<br>Adverse physicochemical, human health and environmental effects:<br>No other hazards |
| **Further information** | For the full text of the hazard statements and EU hazard statements: see SECTION 16 |

**2.2. Label elements**

| | |
|---|---|
| **Labeling according to Regulation (EC) No. 1272/2008 (CLP)** | The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP). |
| **Special Provisions** | EUH210 Safety data sheet available on request.<br>Special provisions according to Annex XVII of REACH and subsequent amendments:<br>None |

**2.3. Other hazards**

| | |
|---|---|
| **Other hazards** | No PBT Ingredients are present |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1. Substances**

| | |
|---|---|
| **Substances** | Not applicable |

**3.2. Mixtures**

| CAS No. | EC No. | Index No. | REACH Registration No. | % [weight] | Substance name | Classification according to Regulation (EC) No 1272/2008 (CLP) |
|---|---|---|---|---|---|---|
| 74869-22-0 | 278-012-2 | | 01-2119495601-36 | 80-90 | BASE OIL-UNSPECIFIED□LUBRICATING OIL | 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. |
| 64742-54-7 | 265-157-1 | | 01-2119484627-25-79 | 5-10 | DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC | Asp. Tox. 1, H304, DECLL |
| | 283-392-8 | | 01-2119493626-26 | 0.5-1 | PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3- DIMETHYLBUTYL AND ISO□PR)ESTERS, ZINC SALTS | Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Chronic 2, H411 |
| 36878-20-3 | 253-249-4 | | | 0.1-0.25 | BIS(NONYLPHENYL)AMINE | Aquatic Chronic 4, H413 |

## 4. FIRST AID MEASURES

**4.1. Description of first aid measures**

| | |
|---|---|
| **Following inhalation** | Remove casualty to fresh air and keep warm and at rest. |
| **Following skin contact** | Wash with plenty of water and soap. |
| **Following eye contact** | Wash immediately with water. |
| **Following 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 acute effects** | N.A. |
| **Ingestion acute effects** | N.A. |
| **Skin contact acute effects** | N.A. |
| **Eye contact acute effects** | N.A. |
| **Inhalation delayed effects** | N.A. |
| **Ingestion delayed effects** | N.A. |
| **Skin contact delayed effects** | N.A. |
| **Eye contact delayed effects** | N.A. |

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

| | |
|---|---|
| **Notes to physician** | N.A. |

## 5. FIREFIGHTING MEASURES

**5.1. Extinguishing media**

| | |
|---|---|
| **Suitable extinguishing media** | Water.<br>Carbon dioxide (CO2).<br>Extinguishing media which must not be used for safety reasons:<br>None in particular. |

**5.2. Special hazards arising from the substance or mixture**

| | |
|---|---|
| **Hazards from the substance or mixture** | Do not inhale explosion and combustion gases.<br>Burning produces heavy smoke. |

**5.3. Advice for firefighters**

| | |
|---|---|
| **Special precautions for fire-fighters** | Use suitable breathing apparatus .<br>Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>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**

| | |
|---|---|
| **Protective equipment for non-emergency personnel** | Wear personal protection equipment.Remove persons to safety.See protective measures under point 7 and 8. |

**6.2. Environmental precautions**

| | |
|---|---|
| **Environmental precautions** | Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.<br>Retain contaminated washing water and dispose it.<br>In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.<br>Suitable material for taking up: absorbing material, organic, sand |

**6.3. Methods and material for containment and cleaning up**

| | |
|---|---|
| **For containment** | Suitable material for taking up: absorbing material, organic, sand.<br>Wash with plenty of water. |

**6.4. Reference to other sections**

| | |
|---|---|
| **Reference to other sections** | See also section 8 and 13 |

## 7. HANDLING AND STORAGE

**7.1. Precautions for safe handling**

| | |
|---|---|
| **Protective measures** | Avoid contact with skin and eyes, inhaltion of vapours and mists.<br>Do not eat or drink while working.<br>See also section 8 for recommended protective equipment. |

**7.2. Conditions for safe storage, including any incompatibilities**

| | |
|---|---|
| **Technical measures and storage conditions** | None in particular.<br>Instructions as regards storage premises:<br>Adequately ventilated premises. |

**7.3. Specific end use(s)**

| | |
|---|---|
| **Recommendations** | None in particular<br>Industrial sector specific solutions:<br>None in particular |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

**List of components with OEL value**

| Component | OEL Type | Long Term mg/m³ | Long Term ppm | Short Term mg/m³ | Short Term ppm | Behaviour | Note |
|---|---|---|---|---|---|---|---|
| BASE OIL-<br>UNSPECIFIED<br>LUBRICATING OILS | ACGIH | 5.400 | | | | | BH (aerosol) |

**Predicted No Effect Concentration (PNEC) values**

| Component | CAS No. | PNEC limit | Exposure Route | Exposure Frequency | Remark |
|---|---|---|---|---|---|
| BIS(NONYLPHENYL) AMINE | 36878-20-3 | 0.100 mg/l<br>0.010 mg/l<br>132000. 000 mg/kg<br>13200. 000 mg/kg<br>263000. 000 mg/kg | Fresh Water<br><br>Soil<br>(agricultural)<br>Air<br><br>Fresh Water<br>Marine water<br>sediments | | |

**Derived No Effect Level (DNEL)**

| Component | CAS No. | Worker Industry | Worker Professional | Consumers | Exposure Route | Exposure Frequency | Remark |
|---|---|---|---|---|---|---|---|
| BIS(NONYLPHENYL) AMINE | 36878-20-3 | | 0.620 mg/kg<br><br>4.370 mg/kg | | Human<br>Dermal<br>Human<br>Inhalation<br>Human<br>Dermal<br>Human<br>Inhalation<br>Human Oral | | Long Term, systemic effects<br><br>Long Term, systemic effects<br><br>Long Term, systemic effects<br><br>Long Term, systemic effects<br><br>Long Term, systemic effects |
| | | | | 0.310 mg/kg<br>1.090 mg/kg<br>0.310 mg/kg | | | |

**8.2. Exposure controls**

| | |
|---|---|
| **Organisational measures to prevent exposure** | Ensure replacement ventilation or other ventilation systems to maintain concentrations of substances conveyed by air below their respective occupational exposure limits. All activities involving chemicals must be assessed for their health risks in order to ensure that the exposure is adequately monitored. Wear protective clothing. Personal protective equipment must conform to the appropriate standards, suitable for specific use and maintained in good condition |
| **Eye and face protection** | Safety Glasses. |
| **Skin protection** | Use Nitrile or neoprene gloves. Long-sleeved garments are recommended. Wear protection against chemical agents when contact with the material is foreseen. Use neoprene or nitrile boots if necessary to avoid contaminating the shoes. Wash contaminatedclothes before reuse. |
| **Hand protection** | 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 recommendedexposure limit is exceeded. Use self-contained breathing apparatus to enter narrow spaces, in poorly ventilated areas and to cleanareas where large quantities of product have been spilled. |
| **Organisational measures to prevent exposure** | Wash thoroughly after handling this product. Do not eat, drink or smoke when using this product. |
| **Technical measures to prevent exposure** | N.A. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical State** | Liquid |
| **Odour** | N.A. |
| **Pour point** | <-35 °C |
| **Boiling point or initial boiling point and boiling range** | N.A. |
| **Flammability** | N.A. |
| **Lower and upper explosion limit** | N.A. |
| **Flash point** | >=200 °C (392 °F) ( ASTM D92 (Cleveland Open Cup) ) |
| **Auto-ignition temperature** | >165.00 °C |
| **Decomposition temperature** | N.A. |
| **pH** | N.A. |
| **Kinematic viscosity** | at 100 °C: 11.00-12.50 $mm_2/s$ ( ASTM D445 )<br>at 40 °C ($mm^2/s$ ): >20.50 ( ASTM D445 ) |
| **Solubility** | N.A. |
| **Partition coefficient n-octanol/water (log value)** | N.A. |
| **Vapour pressure** | N.A. |
| **Density and/or relative density** | 878.90 $kg/m^3$ ( ASTM D4052 @ 15°C ) |
| **Relative vapour density** | N.A. |
| **Dynamic viscosity** | N.A. |
| **Oxidizing properties** | N.A. |
| **Volatile Organic compounds - VOCs** | N.A. |

**9.2. Other information**

| | |
|---|---|
| **Evaporation rate** | N.A. |

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity**

| | |
|---|---|
| **Reactivity** | Stable under normal conditions |

**10.2. Chemical stability**

| | |
|---|---|
| **Chemical stability** | Data not Available. |

**10.3. Possibility of hazardous reactions**

| | |
|---|---|
| **Possibility of hazardous reactions** | None. |

**10.4. Conditions to avoid**

| | |
|---|---|
| **Conditions to avoid** | Stable under normal conditions. |

**10.5. Incompatible materials**

| | |
|---|---|
| **Incompatible materials** | None in particular. |

**10.6. Hazardous decomposition products**

| | |
|---|---|
| **Hazardous decomposition products** | None. |

## 11. TOXICOLOGICAL INFORMATION

**11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008**

**Products have not been tested. Evaluation has been made through data of components.**

| | |
|---|---|
| **Acute toxicity** | N.A. |
| **Skin corrosion/irritation** | N.A. |
| **Serious eye damage/irritation** | N.A. |
| **Germ cell mutagenicity** | N.A. |
| **Carcinogenicity** | N.A. |
| **Reproductive toxicity** | N.A. |
| **STOT-single exposure** | N.A. |
| **STOT-repeated exposure** | N.A. |
| **Aspiration hazard** | N.A. |
| **Toxicological information of the mixture** | There is no toxicological data available on the mixture. Consider the individual concentration ofeach component to assess toxicological effects resulting from exposure to the mixture. |

**Toxicological information on main components of the mixture**

| Component | Toxicity | Information |
|---|---|---|
| BASE OIL-UNSPECIFIED LUBRICATING OIL | acute toxicity | $LD_{50}$ Oral Rat > 5000.00000 mg/kg<br>$LD_{50}$ Skin Rabbit > 2000.00000 mg/kg<br>$LC_{50}$ Inhalation Rat > 5000.00000 mg/m3 |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY PARAFFINIC | acute toxicity | $LC_{50}$ Inhalation Rat = 5.53000 mg/l<br>$LD_{50}$ Skin Rabbit > 5000.00000 mg/kg<br>$LD_{50}$ Oral Rat > 5000.00000 mg/kg |

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity**

| | |
|---|---|
| **Acute (short-term) toxicity** | Adopt good working practices, so that the product is not released into the environment. |

**List of components with eco-toxicological properties**

| Component | Identification number | Ecotoxicological information |
|---|---|---|
| BASE OIL-UNSPECIFIED□LUBRICATING OILS | CAS: 74869-22- 0<br>EINECS: 278-012-2 | a) Aquatic acute toxicity : $EL_{50}$ Daphnia Magna > 10000.00000 mg/L 48h<br>a) Aquatic acute toxicity : NOELR Algae > 100.00000 mg/L 72h<br>a) Aquatic acute toxicity : $LL_{50}$ Fish > 100.00000 mg/L 96h<br>b) Aquatic chronic toxicity : NOELR Daphnia Magna = 10.00000 mg/L - 21 days<br>b) Aquatic chronic toxicity : NOELR Fish = 10.00000 mg/L |
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC | CAS: 64742-54- 7<br>EINECS: 265-157-1 | a) Aquatic acute toxicity :<br>$EL_{50}$ Daphnia Daphnia magna > 10000.00000 mg/L 48h Based on data for a similar substance<br>a) Aquatic acute toxicity : $LL_{50}$ Fish Pimephales promelas > 100.00000 mg/L 96h Based on data for a similar substance<br>b) Aquatic chronic toxicity : NOELR Algae Pseudokirchneriella subcapitata >= 100.00000 mg/L 48h Based on data for a similar substance<br>b) Aquatic chronic toxicity : NOELR Daphnia Daphnia magna = 10.00000 mg/L<br>Based on data for a similar substance - 21 days<br>b) Aquatic chronic toxicity : NOELR Fish Oncorhynchus mykiss = 1000.00000 mg/L QSAR result - 14 days |
| PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3- DIMETHYLBUTYL AND ISO□PR)ESTERS, ZINC SALTS | EINECS: 283-392-8 | a) Aquatic acute toxicity :<br>LC<br>50 Fish = 4.50000 mg/L 96h<br>a) Aquatic acute toxicity :<br>EC<br>50 Worm = 23.00000 mg/L 48h<br>a) Aquatic acute toxicity : EC<br>50 Algae = 21.00000 mg/L 72h |
| BIS(NONYLPHENYL)AMINE | CAS: 36878-20- 3<br>EINECS: 253-249-4 | a) Aquatic acute toxicity :<br>$LC_{50}$ Danio Rerio > 100.00000 mg/L 96h<br>a) Aquatic acute toxicity :<br>$EC_{50}$ Daphnia > 100.00000 mg/L 48h<br>a) Aquatic acute toxicity :<br>$EC_{50}$ Algae > 100.00000 mg/L 72h |

**12.2. Persistence and degradability**

| Component | Persitence/Degradability | Test | Duration | Value | Notes |
|---|---|---|---|---|---|
| BASE OIL-UNSPECIFIED□LUBRICATING OILS | Non-readily biodegradable | | | | |
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC | Non-readily biodegradable | | 28d | 31.000 | Тест на OECD 301F.<br>Въз основа на данни за подобен вещество. |
| PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3- DIMETHYLBUTYL AND ISO□PR)ESTERS, ZINC SALT | | Stum | 28d | 1.500 | % |
| BIS(NONYLPHENYL)AMINE | Non-readily biodegradable | | | | 1 % (28d) |

**12.3. Bioaccumulative potential**

| Component | Test | Duration | Value | Notes |
|---|---|---|---|---|
| PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(1,3- DIMETHYLBUTYL AND ISOPR)ESTERS, ZINC SALTS | Log Kow | 0.1d | 0.600 | % |
| BIS(NONYLPHENYL) AMINE | Kow - Partition coefficient | | 7.600 | |

| | |
|---|---|
| **12.4. Mobility in soil** | |
| **Known or predicted distribution to environmental compartments** | N.A. |
| **12.5. Results of PBT and vPvB assessment** | |
| **Results of PBT and vPvB assessment** | Не присъстват PBT съставки. |
| **12.6. Endocrine disrupting properties** | |
| **12.7. Other adverse effects** | |
| **12.8. Additional information** | |

**13. DISPOSAL CONSIDERATIONS**

| | |
|---|---|
| **13.1. Waste treatment methods** | |
| **Waste treatment-relevant information** | Recover if possible. In so doing, comply with the local and national regulations currently in force. |

**14. TRANSPORT INFORMATION**

| | |
|---|---|
| **14.1. UN number or ID number** | |
| **UN number or ID number** | N.A. |
| **14.2. UN proper shipping name** | |
| **UN proper shipping name** | N.A. |
| **14.3. Transport hazard class(es)** | |
| **Transport hazard class(es)** | N.A. |
| **14.4. Packing group** | |
| **Packing group** | N.A. |
| **14.5. Environmental hazards** | |
| **Environmental hazards** | N.A. |
| **14.6. Special precautions for user** | |
| **Special precautions for user** | N.A. |
| **14.7. Maritime transport in bulk according to IMO instruments** | |
| **Maritime transport in bulk according to IMO instruments** | N.A. |

**15. REGULATORY INFORMATION**

| | |
|---|---|
| **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** | |
| **EU regulations** | |
| **Other EU regulations** | Provisions related to directive EU 2012/18 (Seveso III):<br>N.A. |
| **National regulations (Germany)** | German Water Hazard Class.<br>Class 1: slightly hazardous for water. |
| **Other regulations, restrictions and prohibition regulations** | Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) andsubsequent modifications:<br>Restrictions related to the product: 40<br>Restrictions related to the substances contained: None |
| **15.2. Chemical Safety Assessment** | |
| **Chemical Safety Assessment** | No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier. |

**16. OTHER INFORMATION**

| | |
|---|---|
| **Other information** | H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H411 Toxic to aquatic life with long lasting effects.<br>H413 May cause long lasting harmful effects to aquatic life.<br>3.10/1 Asp. Tox. 1 Aspiration hazard, Category 1<br>3.2/2 Skin Irrit. 2 Skin irritation, Category 2<br>3.3/1 Eye Dam. 1 Serious eye damage, Category 1<br>4.1/C2 Aquatic Chronic 2 Chronic (long term) aquatic hazard, category 2<br>4.1/C4 Aquatic Chronic 4 Chronic (long term) aquatic hazard, category 4<br>Legend to abbreviations and acronyms used in the safety data sheet:<br>ACGIH: American Conference of Governmental Industrial Hygienists<br>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.Legend to abbreviations and acronyms used in the safety data sheet:<br>ACGIH: American Conference of Governmental Industrial Hygienists<br>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.<br>AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways<br>ATE: Acute Toxicity Estimate<br>ATEmix: Acute toxicity Estimate (Mixtures)<br>BCF: Biological Concentration Factor<br>BEI: Biological Exposure Index<br>BOD: Biochemical Oxygen Demand<br>CAS: Chemical Abstracts Service (division of the American Chemical Society).<br>CAV: Poison Center<br>CE: European Community<br>CLP: Classification, Labeling, Packaging.<br>CMR: Carcinogenic, Mutagenic and Reprotoxic<br>COD: Chemical Oxygen Demand<br>COV: Volatile Organic Compound<br>CSA: Chemical Safety Assessment<br>CSR: Chemical Safety Report<br>DMEL: Derived Minimal Effect Level<br>Code Description<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H411 Toxic to aquatic life with long lasting effects.<br>H413 May cause long lasting harmful effects to aquatic life.<br>Code Hazard class and hazard category Description<br>3.10/1 Asp. Tox. 1 Aspiration hazard, Category 1<br>3.2/2 Skin Irrit. 2 Skin irritation, Category 2<br>3.3/1 Eye Dam. 1 Serious eye damage, Category 1<br>4.1/C2 Aquatic Chronic 2 Chronic (long term) aquatic hazard, category 2<br>4.1/C4 Aquatic Chronic 4 Chronic (long term) aquatic hazard, category 4<br>Date 9/2/2020 Production Name GAZPROMNEFT SUPER 10W-30 Page n. 8 of 9<br>DMEL: Derived Minimal Effect Level<br>DNEL: Derived No Effect Level.<br>DPD: Dangerous Preparations Directive<br>DSD: Dangerous Substances Directive<br>EC50: Half Maximal Effective Concentration<br>ECHA: European Chemicals Agency<br>EINECS: European Inventory of Existing Commercial Chemical Substances.<br>ES: Exposure Scenario<br>GefStoffVO: Ordinance on Hazardous Substances, Germany.<br>GHS: Globally Harmonized System of Classification and Labeling of Chemicals.<br>IARC: International Agency for Research on Cancer<br>IATA: International Air Transport Association.<br>IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).<br>IC50: half maximal inhibitory concentration.<br>ICAO: International Civil Aviation Organization.<br>ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).<br>IMDG: International Maritime Code for Dangerous Goods.<br>INCI: International Nomenclature of Cosmetic Ingredients.<br>IRCCS: Scientific Institute for Research, Hospitalization and Health Care.<br>KAFH: Keep away from heat<br>KSt: Explosion coefficient.<br>LC50: Lethal concentration, for 50 percent of test population.<br>LD50: Lethal dose, for 50 percent of test population.<br>LDLo: Leathal Dose Low<br>N.A.: Not Applicable<br>N/A: Not Applicable<br>N/D: Not defined/ Not available<br>NA: Not available<br>NIOSH: National Institute for Occupational Safety and Health<br>NOAEL: No Observed Adverse Effect Level<br>OSHA: Occupational Safety and Health Administration.<br>PBT: Persistent, Bioaccumulative and Toxic<br>PGK: Packaging Instruction<br>PNEC: Predicted No Effect Concentration.<br>PSG: Passengers<br>RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.<br>STEL: Short Term Exposure limit.<br>STOT: Specific Target Organ Toxicity.<br>TLV: Threshold Limiting Value.<br>TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).<br>vPvB: Very Persistent, Very Bioaccumulative.<br>WGK: German Water Hazard Class.<br>AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways<br>ATE: Acute Toxicity Estimate<br>ATEmix: Acute toxicity Estimate (Mixtures)<br>BCF: Biological Concentration Factor<br>BEI: Biological Exposure Index<br>BOD: Biochemical Oxygen Demand<br>CAS: Chemical Abstracts Service (division of the American Chemical Society).<br>CAV: Poison Center<br>CE: European Community<br>CLP: Classification, Labeling, Packaging.<br>CMR: Carcinogenic, Mutagenic and Reprotoxic<br>COD: Chemical Oxygen Demand<br>COV: Volatile Organic Compound<br>CSA: Chemical Safety Assessment<br>CSR: Chemical Safety Report<br>DMEL: Derived Minimal Effect Level<br>Code Description<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H411 Toxic to aquatic life with long lasting effects.<br>H413 May cause long lasting harmful effects to aquatic life.<br>Code Hazard class and hazard category Description<br>3.10/1 Asp. Tox. 1 Aspiration hazard, Category 1<br>3.2/2 Skin Irrit. 2 Skin irritation, Category 2<br>3.3/1 Eye Dam. 1 Serious eye damage, Category 1<br>4.1/C2 Aquatic Chronic 2 Chronic (long term) aquatic hazard, category 2<br>4.1/C4 Aquatic Chronic 4 Chronic (long term) aquatic hazard, category 4<br>Date 9/2/2020 Production Name GAZPROMNEFT SUPER 10W-30 Page n. 8 of 9<br>DMEL: Derived Minimal Effect Level<br>DNEL: Derived No Effect Level.<br>DPD: Dangerous Preparations Directive<br>DSD: Dangerous Substances Directive<br>EC50: Half Maximal Effective Concentration<br>ECHA: European Chemicals Agency<br>EINECS: European Inventory of Existing Commercial Chemical Substances.<br>ES: Exposure Scenario<br>GefStoffVO: Ordinance on Hazardous Substances, Germany.<br>GHS: Globally Harmonized System of Classification and Labeling of Chemicals.<br>IARC: International Agency for Research on Cancer<br>IATA: International Air Transport Association.<br>IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).<br>IC50: half maximal inhibitory concentration.<br>ICAO: International Civil Aviation Organization.<br>ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).<br>IMDG: International Maritime Code for Dangerous Goods.<br>INCI: International Nomenclature of Cosmetic Ingredients.<br>IRCCS: Scientific Institute for Research, Hospitalization and Health Care.<br>KAFH: Keep away from heat<br>KSt: Explosion coefficient.<br>$LC_{50}$: Lethal concentration, for 50 percent of test population.<br>$LD_{50}$: Lethal dose, for 50 percent of test population.<br>LDLo: Leathal Dose Low<br>N.A.: Not Applicable<br>N/A: Not Applicable<br>N/D: Not defined/ Not available<br>NA: Not available<br>NIOSH: National Institute for Occupational Safety and Health<br>NOAEL: No Observed Adverse Effect Level<br>OSHA: Occupational Safety and Health Administration.<br>PBT: Persistent, Bioaccumulative and Toxic<br>PGK: Packaging Instruction<br>PNEC: Predicted No Effect Concentration.<br>PSG: Passengers<br>RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.<br>STEL: Short Term Exposure limit.<br>STOT: Specific Target Organ Toxicity.<br>TLV: Threshold Limiting Value.<br>TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. 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