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

SAFETY DATA SHEET

Gazpromneft Reductor CLP 680

Revision
Revision date
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1. Product Identifier	
Trade name	GAZPROMNEFT RUDUCTOR CLP-680
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Recommended use	Industrial gear oil
1.3. Details of the supplier of the safety data sheet	
Manufacturer	"Gazpromneft – lubricants" LTD, 125A, Profsoyuznaya str., Moscow, 117647, Russia. Email: Lubricants@gazprom-neft.ru Tel.: +7 495 642-99-69 (between 9 AM and 6 PM Moscow time) Fax: +7 495 921-48-63
Supplier	"Deny Trade" LTD, Office: Stara Zagora 6000, 92 Hristo Botev Str., 4th floor Warehouse: Zagora 6000, Kolyo Ganchev district, Agricultural aviation Tel./Fax: 042 606 899 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 Email: poison_centre@mail.orbitel.bg http://www.pirogov.bg

2. HAZARDS IDENTIFICATION	
2.1. Classification of the substance or mixture	
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)	Skin Sens. 1A May cause an allergic skin reaction. Adverse physicochemical, human health and environmental effects: No other hazards
Hazard pictograms	
Signal word	Warning
Hazard statements	H317 May cause an allergic skin reaction.
Precautionary statements	P261 Avoid breathing vapours. P272Contaminated work clothing should not be allowed out of the workplace. P280Wear protective gloves/protective clothing/eye protection/face protection. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364Take off contaminated clothing and wash it before reuse. P501Dispose of contents/container in accordance with applicable regulations. Contains: AMINES, C10-14-TERT-ALKYL
2.3. Other hazards	
Other hazards	No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%.

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 1278/2008 (CLP)
64742-62-7	265-166-0		01-2119480472-38	≥ 90	BASE OIL - UNSPECIFIED RESIDUAL OILS (PETROLEUM),SOLVENT DEWAXED	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			01-2119484627-25	0.1-1	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	Substance with a Union workplace exposure limit.
	701-175-2		01-2119456798-18	0.1-1	AMINES, C10-14-TERT-ALKYL	Acute Tox. 2, H330; Acute Tox. 3, H311; Acute Tox. 4, H302; Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; STOT SE 3, H335; Aquatic Acute 1, H400; Aquatic Chronic 1, H410, M Chronic:1, M-Acute:1
Conf0618				0.02-0.1	Alkoxylated long-chain alkanol borate	

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	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.
Following eye contact	Wash immediately with water.
Following ingestion	Do not induce vomiting, get medical attention showing the SDS and the label with the hazards.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation acute effects	N.A.
4.3. Indication of any immediate medical attention and special treatment needed	
Notes to physician	In case of accident or unwellness, seek medical advice immediately (show the directions for use or safety data sheet if possible).

5. FIREFIGHTING MEASURES	
5.1. Extinguishing media	
Suitable extinguishing media	Carbon dioxide (CO2).

Unsuitable extinguishing media	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. Burning produces heavy smoke.
5.3. Advice for firefighters	
Special precautions for fire-fighters	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	
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. 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	
For containment	Suitable material for taking up: absorbing material, organic, sand. 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. 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. Contamined 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	
Requirements for storage rooms and vessels	Adequately ventilated premises.
7.3. Specific end use(s)	

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 - UNSPECIFIED- RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	ACGIH	5.400					8H (aerosol)

Predicted No Effect Concentration (PNEC) values

Derived No Effect Level (DNEL)

8.2. Exposure controls

Substance/mixture related measures to prevent exposure during identified uses	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 ensurethat 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.
Hand protection	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 to enter narrow spaces, in poorly ventilated areas and to clean areas 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
Colour	Oily brown
Pour point	< - 15 °C
Boiling point or initial boiling point and boiling range	N.A.
Flammability	N.A.
Lower and upper explosion limit	N.A.
Flash point	>210 °C (410 °F) (ASTM D92 (Cleveland Open Cup))
Auto-ignition temperature	> 398.00 °C
Decomposition temperature	N.A.
pH	N.A.
Kinematic viscosity	at 100°C: N.A. at 40°C (mm2/s): 612,0-748,0 (ASTM D445)
Solubility	Insoluble
Partition coefficient n-octanol/water (log value)	N.A.
Vapour pressure	N.A.
Density and/or relative density	913.00 kg/m3 (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	
Formation of explosible dust/air mixtures	N.A.
Evaporation rate	N.A.
Miscibility	N.A.
Conductivity	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.
Respiratory or skin sensitisation	N.A.
Germ cell mutagenicity	N.A.
Carcinogenicity	N.A.
Reproductive toxicity	N.A.
Summary of evaluation of the CMR properties	N.A.
STOT-single exposure	N.A.
STOT-repeated exposure	N.A.
Aspiration hazard	N.A.
Toxicological information of the mixture	N.A.
Toxicological information on main components of the mixture	N.A.

Toxicological information on main components of the mixture

Component	Toxicity	Information
BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	a) acute toxicity	LD50 Oral Rat > 5000.00000 mg/kg LD50 Skin Rabbit > 2000.00000 mg/kg LC50 Inhalation Rat > 5000.00000 mg/m3
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	a) acute toxicity	LD50 Oral Rat > 5000.00000 mg/kg LD50 Skin Rat > 5000.00000 ml/kg LC50 Inhalation Dust Rat > 5.53000 mg/kg 4h
AMINES, C10-14-TERT ALKYL	a) acute toxicity	LD50 Oral Rat = 612.00000 mg/kg LD50 Skin Rat = 251.00000 mg/kg LC50 Inhalation Vapour Rat = 1.19000 mg/l 4h
Alkoxylated long-chain alkanol borate	a) acute toxicity	LD50 Oral Rat = 1000.00000 mg/kg LD50 Skin Rat > 2000.00000 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 - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	CAS: 64742-62-7 EINECS:265-166-0	a) Aquatic acute toxicity : EL50 Daphnia Daphnia magna, 48hr > 10000.00000 mg/L 48h a) Aquatic acute toxicity : NOELR Algae Algae > 100.00000 mg/L 72h a) Aquatic acute toxicity : LL50 Fish > 100.00000 mg/L 96h b) Aquatic chronic toxicity : NOELR Daphnia Daphnia magna, 21 days = 10.00000 mg/L b) Aquatic chronic toxicity : NOELR Fish = 10.00000 mg/L
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	CAS: 64742-54-7 EINECS: 265-157-1	b) Aquatic chronic toxicity : NOELR Fish Oncorhynchus mykiss = 21.00000 mg/L - Exposure - 21 days. Based on data for a similar substance. b) Aquatic chronic toxicity : NOELR Daphnia Daphnia magna = 10.00000 mg/L - Exposure - 21 days. Based on data for a similar substance. b) Aquatic chronic toxicity : NOELR Algae Pseudokirchneriella subcapitata >= 100.00000 mg/L 72h - Based on data for a similar substance. a) Aquatic acute toxicity : LL50 Fish Pimephales promelas > 100.00000 mg/L 96h - Based on data for a similar substance. a) Aquatic acute toxicity : EL50 Daphnia Daphnia magna > 10000.00000 mg/L 48h - Based on data for a similar substance.
AMINES, C10-14-TERT-ALKYL	EINECS: 701-175-2	b) Aquatic chronic toxicity : NOELR Algae Pseudokirchneriella subcapitata = 0.50000 mg/L 72h b) Aquatic chronic toxicity : NOEC Fish Oncorhynchus mykiss = 0.07800 mg/L 96h - Exposure - 96 days a) Aquatic acute toxicity : LL50 Fish Oncorhynchus mykiss = 1.30000 mg/L 96h a) Aquatic acute toxicity : EL50 Micro-organism = 63.50000 mg/L -exposure -30 minutes a) Aquatic acute toxicity : EL50 Daphnia Daphnia Magna = 2.50000 mg/L 48h a) Aquatic acute toxicity : EL50 Algae Pseudokirchneriella subcapitata = 0.44000 mg/L 72h
Alkoxylated long-chain alkanol borate	CAS: Conf0618	b) Aquatic chronic toxicity : NOELR Algae Pseudokirchneriella subcapitata = 0.31000 mg/L 72h - Based on data for a similar substance. b) Aquatic chronic toxicity : NOEC Fish Pimephales promelas = 0.16000 mg/L - Exposure - 10 days. Based on data for a similar substance. b) Aquatic chronic toxicity : NOEC Daphnia Daphnia Magna = 0.77000 mg/L - exposure - 21 days. Based on data for a similar substance. a) Aquatic acute toxicity : LC50 Fish Danio rerio = 0.87600 mg/L 96h -Based on data for a similar substance. a) Aquatic acute toxicity : EL50 Micro-organism - Pseudomonas putida > 2.00000 mg/L - exposure - 5 hours. Based on data for a similar substance. a) Aquatic acute toxicity : EL50 Daphnia Daphnia Magna = 0.39000 mg/L 48h - Based on data for a similar substance. a) Aquatic acute toxicity : EL50 Algae Pseudokirchneriella subcapitat = 0.41000 mg/L 72h - Based on data for a similar substance.

12.2. Persistence and degradability

Component	Persitence/Degradability	Test	Duration	Value	Notes
BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	Non-readily biodegradable				
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	Non-readily biodegradable		28d	31.000	OECD 301F-Ready Biodegradability Manometric Respirometry Test
AMINES, C10-14-TERT-ALKYL	Non-readily biodegradable	Closed Bottle	28d	21.800	Test method - OECD301D
Alkoxylated long-chain alkanol borate	Readily biodegradable		28d	95.000	OECD 301F Ready Biodegradability. Manometric RespirometryTest. Based on data for a similar substance.

12.3. Bioaccumulative potential

Component	Test	Duration	Value	Notes
AMINES, C10-14-TERT-ALKYL	Log Kow		2.900	Bioaccumulative Low potential.

12.4. Mobility in soil	
12.5. Results of PBT and vPvB assessment	
12.6. Endocrine disrupting properties	
Endocrine disrupting properties	No PBT Ingredients are present.
12.7. Other adverse effects	
12.8. Additional information	

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	
Product/Packaging disposal	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	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): N.A.
Authorisations and/or restrictions on use	
Wassergefährdungsklasse (water hazard class)	German Water Hazard Class. NWG: Not 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) and subsequent modifications: Restrictions related to the product: 3, 40 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	Code Description H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. 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. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2020/878 Provisions related to directive EU 2012/18 (Seveso III): N.A. This document was prepared by a competent person who has received appropriate training. Main bibliographic sources: ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European CommunitiesSAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand ReinoldThe information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated andconstitutes no guarantee of particular quality.It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.This MSDS cancels and replaces any preceding release. Legend to abbreviations and acronyms used in the safety data sheet: 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 ATE: Acute Toxicity Estimate ATEmix: Acute toxicity Estimate (Mixtures) BCF: Biological Concentration Factor BEI: Biological Exposure Index BOD: Biochemical Oxygen Demand CAS: Chemical Abstracts Service (division of the American Chemical Society). CAV: Poison Center CE: European Community CLP: Classification, Labeling, Packaging. CMR: Carcinogenic, Mutagenic and Reprotoxic COD: Chemical Oxygen Demand COV: Volatile Organic Compound CSA: Chemical Safety Assessment CSR: Chemical Safety Report DMEL: Derived Minimal Effect Level DNEL: Derived No Effect Level. DPD: Dangerous Preparations Directive DSD: Dangerous Substances Directive EC50: Half Maximal Effective Concentration ECHA: European Chemicals Agency EINECS: European Inventory of Existing Commercial Chemical Substances. ES: Exposure Scenario GefStoffVO: Ordinance on Hazardous Substances, Germany. GHS: Globally Harmonized System of Classification and Labeling of Chemicals. 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. ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO). IMDG: International Maritime Code for Dangerous Goods. INCI: International Nomenclature of Cosmetic Ingredients. IRCCS: Scientific Institute for Research, Hospitalization and Health Care KAFH: Keep away from heat KSt: Explosion coefficient. LC50: Lethal concentration, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LDLo: Leathal Dose Low N.A.: Not Applicable N/A: Not Applicable N/D: Not defined/ Not available 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 PGK: Packaging Instruction PNEC: Predicted No Effect Concentration. PSG: Passengers RID: Regulation Concerning the International Transport of Dangerous Goods by Rail. STEL: Short Term Exposure limit. 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. Paragraphs modified from the previous revision: - 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING - 2. HAZARDS IDENTIFICATION - 3. COMPOSITION/INFORMATION ON INGREDIENTS - 4. FIRST AID MEASURES - 5. FIRE-FIGHTING MEASURES - 6. ACCIDENTAL RELEASE MEASURES - 7. HANDLING AND STORAGE - 8. EXPOSURE CONTROLS/PERSONAL PROTECTION - 9. PHYSICAL AND CHEMICAL PROPERTIES - 10. STABILITY AND REACTIVITY - 11. TOXICOLOGICAL INFORMATION - 12. ECOLOGICAL INFORMATION - 13. DISPOSAL CONSIDERATIONS - 14. TRANSPORT INFORMATION - 15. REGULATORY INFORMATION - 16. OTHER INFORMATION