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

SAFETY DATA SHEET

КС-19П (А)

Revision
4
Revision date
21.07.2022

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

1.1. Product Identifier

Trade name	КС-19п А

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

Recommended use	Compressor 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

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Aquatic Chronic 3 Harmful to aquatic life with long lasting effects.
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)	H412 Harmful to aquatic life with long lasting effects.
Hazard statements	P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with applicable regulations.
Precautionary statements	P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with applicable regulations.
Special Provisions	Special provisions according to Annex XVII of REACH and subsequent amendments: None.

2.3. Other hazards

Other hazards	No other hazards No PBT, vPvB or endocrine disruptor substancespresent 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		01-2119480472-38-0023	80-90	BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	DECLL(*) -
74869-22-0	278-012-2		01-2119495601-36	10-20	BASE OIL-UNSPECIFIED LUBRICATING OILS	DECLL(*)

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	

4.2. Most important symptoms and effects, both acute and delayed

Inhalation acute effects	N.A. Not known

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. Carbon dioxide (CO_2).

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

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

Technical measures and storage conditions	None in particular.
Further information on storage conditions	Adequately ventilated premises.

7.3. Specific end use(s)

Recommendations	None in particular
Industrial sector specific solutions	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 - UNSPECIFIED - RESIDUAL OILS (PETROLEUM), SOLVENT DEWAXED	ACGIH	5.400					8H (aerosol)
BASE OIL-UNSPECIFIED LUBRICATING OILS	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	Control parameters OEL(A.C.G.I.H. 2008): oil mists - TLV/TWA (8 h) : 5 mg/m3 - TLV/STEL: 10 mg/m3 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 contaminated clothes 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 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Colour	dark yellow
Odour	Petroleum
Pour point	<-15°C
Boiling point or initial boiling point and boiling range	N.A.
Flammability	N.A.
Lower and upper explosion limit	228 / 254 °C
Flash point	>260 °C (500 °F) (ASTM D92 (Cleveland Open Cup))
Auto-ignition temperature	>380.00 °C
Decomposition temperature	N.A.
pH	N.A.
Kinematic viscosity	at 100°C: >19.00 mm2/s (ASTM D445) at 40°C: >20.50 mm2/s (ASTM D445)
Solubility	Insoluble
Partition coefficient n-octanol/water (log value)	N.A.
Vapour pressure	<0.01 kPa
Density and/or relative density	N.A.
Relative vapour density	N.A.
Particle characteristics	N.A.
Volatile Organic compounds - VOCs	N.A.

9.2. Other information

Miscibility	N.A.
Conductivity	N.A.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	Carefully review all information provided in sections 10.2 - 10.6.

10.2. Chemical stability

Chemical stability	Material is normally stable at room temperature and pressure. See Section 7 for further details.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not occur.

10.4. Conditions to avoid

Conditions to avoid	Do not expose to excessive heat, ignition sources, or oxidizing materials. High temperatures. Contact with strong oxidizers. Contact with strong caustic agents.

10.5. Incompatible materials

Incompatible materials	Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Other potential decomposition products: sulfur acids.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity	Not classified. Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Not classified. Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Not classified. Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Not classified. Based on available data, the classification criteria are not met.

Germ cell mutagenicity	Not classified. Based on available data, the classification criteria are not met.
Carcinogenicity	Not classified. Based on available data, the classification criteria are not met.
Reproductive toxicity	Not classified. Based on available data, the classification criteria are not met.
Summary of evaluation of the CMR properties	Not classified. Based on available data, the classification criteria are not met.
STOT-single exposure	Not classified. Based on available data, the classification criteria are not met.
STOT-repeated exposure	Not classified. Based on available data, the classification criteria are not met.
Aspiration hazard	Not classified. Based on available data, the classification criteria are not met.
Toxicological information of the mixture	Not classified. Based on available data, the classification criteria are not met.
Toxicological information on main components of the mixture	Not classified. Based on available data, the classification criteria are not met.

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
BASE OIL-UNSPECIFIED LUBRICATING OILS	a) acute toxicity	LD50 Oral Rat > 5000.00000 mg/kg LD50 Skin Rabbit > 2000.00000 mg/kg LC50 Inhalation Rat > 5000.00000 mg/m3
		No endocrine disruptor substances present in concentration >= 0.1%

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Acute (short-term) toxicity	Adopt good working practices, so that the product is not released into the environment.
Fish	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Chronic (long-term) toxicity	List of Eco-Toxicological properties of the product:The product is classified: Aquatic Chronic 3(H412)

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
BASE OIL-UNSPECIFIED LUBRICATING OILS	CAS: 74869-22-0 EINECS: 278-012-2	

12.2. Persistence and degradability

Component	Persitence/Degradability	Test	Duration	Value	Notes
BASE OIL - UNSPECIFIED - RESIDUAL OILS (PETROLEUM),SOLVENT DEWAXED	Non-readily biodegradable				
BASE OIL-UNSPECIFIED LUBRICATING OILS	Non-readily biodegradable				

12.3. Bioaccumulative potential

Bioconcentration factor (BCF)	N.A.

12.4. Mobility in soil

Known or predicted distribution to environmental compartments	Mobility in soil: N.A. Product floats on water (insoluble)and can entrape 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

12.6. Endocrine disrupting properties

Endocrine disrupting properties	No endocrine disruptor substances present in concentration >= 0.1%

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	Not classified as dangerous in the meaning of transport regulations.
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. 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.
Wassergefährdungsklasse (water hazard class)	Class 3: extremely hazardous.
Other regulations, restrictions and prohibition regulations	Provisions related to directive EU 2012/18 (Seveso III): N.A. Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) andsubsequent modifications: Restrictions related to the product: 3 Restrictions related to the substances contained: None. SVHC Substances: No data available.
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 H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Code Hazard class and hazard category Description 4.1/C1 Aquatic Chronic 1 Chronic (long term) aquatic hazard, category 1 4.1/C3 Aquatic Chronic 3 Chronic (long term) aquatic hazard, category 3 Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: Classification according to Regulation (EC) Nr. 1272/2008 Classification procedure 4.1/C3 Calculation method 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. * Sheet model entirely changed in compliance to regulatory update.