

1. IDENTIFICATION OF CHEMICAL PRODUCTS AND INFORMATION ON THE MANUFACTURER AND / OR SUPPLIER

Technical name	Polymer material «Kleon» (brands: («Kleon» - 3; «Kleon» - PA; «Kleon» - PMA; «Kleon» - PASA; «Kleon» - AM; «Kleon» - SP29; «Kleon» - SP30; «Kleon» - SP31; «Kleon» - SP32; «Kleon» - SP34; «Kleon» - SP36; «Kleon» - SP36K; «Kleon» - Z13; «Kleon» - BMO; «Kleon» - B; «Kleon» - KC; «Kleon» - S; «Kleon» - C; «Kleon» - FOR; «Kleon» - FOS; «Kleon» - K; «Kleon» - AK)
Brief recommendations for use	It is used (depending on the brand) as a dispersant and complexing agent in the production of synthetic detergents and household chemicals, paints and coatings, in the production of cosmetics, as a superplasticizer for concrete and concrete mixtures, as an adhesive and prolongator of the action of tank mixtures components, as a binder and reinforcing adjuvant component - as part of complex compositions used in agriculture and crop production, as well as an antiscalant, depressor, auxiliary substance, coolant, lubricating additive in the mining industry and water treatment processes.
Name of company	«Orgpolymersynthese St.Pb» Ltd.
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2. GHS HAZARDS IDENTIFICATION

Classification of warning labeling	none
Signal word	none
Danger Symbols	none
H-phrases	none
P-phrases	none

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Concentration (%)	CAS Number	EC number
Copolymers based on acrylic and methacrylic monomers or	30-65	67785-62-0	none
Copolymer of 2-propionic acid and 2-acrylamido-2-methylpropanesulfonic acid	7-35	40623-75-4	609-852-3
Water	Up to 100	7732-18-5	231-791-2

4 FIRST AID MEASURES

Eye contact	rinse with running water.
Skin contact	rinse with running water.
If swallowed	increased fluid intake, activated carbon, consult a doctor.
Inhalation	none
Most important symptoms	none
Potential hazardous effects	none

5 FIREFIGHTING MEASURES

Flammability	incombustible substance
Thermal decomposition products	carbon oxides, nitrogen oxides
Fire and explosion safety	not applicable
Extinguishing methods	in case of fires, all available fire extinguishing means can be used to extinguish the flame: sand, fire blanket, foam or carbon dioxide fire extinguishers.
Specificity for extinguishing	Packaging may initially be involved in the fire source during the burning process. Foam fire extinguishers may create a slippery surface/

6 ACCIDENTAL RELEASE MEASURES

Individual precautions	Use personal protective equipment. Provide effective ventilation, especially in enclosed spaces.
Environmental precautions	Eliminate the leakage if possible. If the product gets into open water and sewers, it is necessary to inform the relevant authorities about this. Avoid release to the environment.
Contamination and cleaning	In case of soil contamination, remove contaminated soil for restoration or removal in accordance with current regulations.

7. HANDLING AND STORAGE

Precautions and safe handling	For personal protection measures see section 8. Provide effective ventilation. Products can be transported by all modes of transport.
Precautionary measures	Observe the usual fire safety measures.
Safe storage	"Kleon" is stored in warehouses of the manufacturer or consumer in containers in closed warehouses. The permissible storage temperature range is from minus to +50 °C. In case of freezing, it retains its properties after defrosting.

8. PERSONAL PROTECTIVE EQUIPMENT

Personal protection Equipment Management	The potential hazard of this material, permissible exposure limits, work and other substances at the place of operations should be considered when designing technical means of control and choosing personal protective equipment.
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Personal protective equipment

Eye protection



Respiratory protection

not required

Hand protection



Special means

none

9 PHYSICAL AND CHEMICAL PROPERTIES

Specifications	Characteristics and reference values
Appearance	liquid
Colour	transparent or slightly cloudy colorless or slightly colored
Odour	weak technical
pH	3-9
Viscosity, mPa*s (Brookfield)	<3000

10. STABILITY AND REACTIVITY

Chemical stability	The product is stable
Solubility	Soluble in water

11. TOXICITY INFORMATION

Acute toxicity	Non-toxic substance. DL50 is not reached (mouse, oral).
Respiratory or skin sensitization	It has no irritating effect on the skin and mucous membranes of the eyes. Does not cause skin sensitization. Does not have a resorptive effect.
Mutagenicity	In animal experiments, a weak ability to cumulate has been established.
Carcinogenicity	This product is not considered carcinogenic IARC, ACGIH, NTP or OSHA. OSHA specially regulated substances (29 CFR 1910.1001-1050). Not listed.
Reproductive toxicity	This product does not have reproductive toxicity and teratogenic effects.
Specific target organ toxicity -	

single exposure	
Specific target organ toxicity - repeated exposure	No information
Aspiration hazard	No information
Chronic effects	No information

12. ECOLOGICAL INFORMATION

Aquatic microorganisms
Persistence and Degradability
Bioaccumulative potential
Soil mobility

Other side effects

13. WASTE HANDLING

Safety measures when working with waste are similar to those recommended for working with the main product (see section 7). Product waste is collected and with a large dilution (at least 50 times) discharged to the sewer. Water flushing after cleaning the accident site and processing the containers are sent to the sewer with five times dilution with water. Containers that are unusable are washed with water and sent for disposal as industrial waste. Serviceable containers is reused. Unusable containers should be eliminated as the main waste.

14. TRANSPORT INFORMATION

14.1 UN number (UN)	Not available
14.2 Proper shipping and transport name	Polymer material «Kleon» (hereinafter referred to as the brand)
14.3 Danger Types of transport risk types	
<i>International Civil Aviation Organization / International Air Transport Association (ICAO / IATA)</i>	
Danger / Class / Division	None
Environmental hazards	None
Marks	None
<i>International Maritime Dangerous Goods Code (IMDGC)</i>	
Danger / class / division	None
Hazardous to the aquatic environment	-
Marks	None
<i>Intergovernmental Organization for Rail Transport (RID) / European Agreement on the Transport of Dangerous Goods (ADR)</i>	
Danger / class / division	None
Marks	None
Code	
14.4 Group packing	not appointed
14.5 Environmental hazards	
14.6 Bulk transportation in accordance with Annex II to the International Convention for the Prevention of Pollution from Ships (MARPOL) 73/78 and the code of the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemical Cargoes in Bulk (MOC)	No requirements
14.7 Special precautions	None

15. REGULATORY INFORMATION

Intergovernmental Organization for Rail Transport (RID)
 European Agreement on the Transport of Dangerous Goods (ADR)
 International Air Transport Association
 (ICAO / IATA)
 International Maritime
 Dangerous Goods Code
 (IMDG)

16. ADDITIONAL INFORMATION

Actual date:	18.04.2022
Protection clause:	The information provided in this Material Safety Data Sheet is based on data that is considered accurate as of the date of preparation of this Passport. No responsibility is assumed for any damage or injury caused by abnormal use or due to non-compliance with recommended practices. The above information and the product are provided on the condition that the person receiving them must make their own determination regarding the suitability of the product for their specific purpose and on the condition that they assume the risk of using them. It is assumed that the above information is accurate and reflects the information available to the manufacturer. However, this does not entail guarantees for all specific characteristics of the goods and does not serve as a basis for the emergence of contractual relations from a legal point of view. The laws and regulations currently in force must be observed by the manufacturer's successor under his own responsibility.

General manager of
 «Orgpolymersynthese St.Pb» Ltd.

A.A.Spiridonov

Place of seal

