



EKO-SP

organomineral
absorbent

"EKOR-SP" LLC

Russia, Moscow

+7 (495) 477-53-94

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ABOUT THE COMPANY

The production company "EKOR-SP" is a Russian manufacturer and active participant in the market of organomineral biological preparations for agriculture and environmental protection.

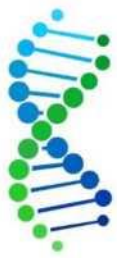
The company's success is based on a solid scientific foundation, advanced technological and innovative solutions that are used to produce high-quality biologically pure products with unique performance characteristics.

ABOUT THE PRODUCT

Absorbent "EKO-SP" is an entirely natural, environmentally friendly organomineral reagent, safe for people, animals and the environment, designed for cleaning soil and water from hydrocarbon pollution. It absorbs oil, petroleum products, mineral oils, vegetable oils, hydraulic oils, PCBs and many other hydrocarbons. It is also used to collect hot lubricating oil on drilling machines and cutters.

The product is based on completely purified and decontaminated natural fibres of special white peat.





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It absorbs over 100 organic pollutants instantly.
One kilogram of "EKO-SP" absorbent absorbs
from 6 to 10 kg of hydrocarbons.



ADVANTAGES

- the fastest and most complete absorption of contaminants;
- high hydrophobicity, inertness and complete biodegradability;
- competitive price concerning imported analogues (at least two times cheaper with the same quality of the product);
- unlimited shelf life, it does not absorb water for an unlimited amount of time.

Absorbent "EKO-SP" completely absorbs hydrocarbons (oil and all its derivatives) and organic-chemical pollutants, while the used equipment remains clean. It is used on land and water.

The costs of working with the "EKO-SP" absorbent in the entire cycle are significantly lower than for all other absorbents.

Standard equipment is recommended for spraying "EKO-SP" absorbent.



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DISPOSAL

The used "EKO-SP" absorbent is biodegraded after some time or immediately incinerated almost without residue.

No disposal problems. The resulting substance is used as a raw material to produce pellets (fuel pellets) and/or briquettes for heating.

The resulting solid fuel for heating has no side impurities in its composition and consists of natural elements. The ambient temperature does not affect the quality of briquettes. Wholesale purchase of briquettes is much cheaper than the purchase of diesel, gas, coal. They have a high calorific value.

Currently, the organomineral absorbent "EKO-SP" is produced in small pilot batches in the Moscow region.

In the case of contracts for large volumes - terms, prices and delivery model is negotiated and agreed individually. The company can switch to producing large volumes of organomineral absorbent in the shortest possible time, using its production and warehouse complex in Tula. Availability of gas, electricity and access roads allows scaling the production process for the volume declared by the Customer.





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Organomineral absorbent "EKO-SP" based on peat

Cleaved modified natural peat, natural fibres (contains no chemicals).

The absorbent is multifunctional, does not harm the environment, cleans water and soil as effectively and quickly as possible. It is used for cleaning from oil, oil products and their derivatives in oil and gas fields, areas of oil refining and chemical industries, oil storage tanks, water areas of ports and port facilities, etc.

1. Substance and brand name

Product name: organomineral absorbent (batch production)

OKPD-2 code (OKP): 20.59.59.000

Trademark: "EKO-SP"

Manufacturer/Supplier: "EKOR-SP" LLC

GOST/TU: TU 20.59.59-002-19354396-2018 (effective date 10 May 2018)

Certificate of Conformity No. 0000816 (ESTDI.B002.A0461) valid from 31 May 2018 to 30 May 2021 (based on the Test Report AB No. 14-1749-05-2018 dated 28 May 2018).

2. Key Indicators:

Composition: natural peat, natural fibres.

Colour: light brown to brown.

Particle size: 0.150 to 6 mm. No lumps or impurities.

Hydrophobic behaviour: Keeps on the water for at least seven days.

Density - less than 1.

Absorbency: 600-800%

pH (Acidity): 2.5 - 4.5.

Ignition: 265-289 deg.

Response time: 1-2 sec.

Shelf life: 3 years from the date of manufacture.

It absorbs petroleum products and their derivatives, alkaline acids and their derivatives, vegetable oils and their derivatives.

3. Possible hazards

Hazard class: none.

Special precautions for humans and the environment: none.

4. First-aid measures

When inhaled: harmless, no particles under 50 microns, non-toxic.

Skin contact: no allergies recorded to date.

Eye contact: dust can sting the eyes, rinse with water.

When swallowed: non-toxic, no need for medical attention.



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5. Fire prevention measures

Extinguishing media: water and the usual solutions in this case.

Special media: ordinary extinguishing media.

6. Measures to be taken in case of damaged packaging

Preventive personal measures: not necessary.

Environmental protection: not necessary.

Special cleaning: not necessary.

Additional information: no hazardous substances.

7. Application and storage

Safe storage: keep bags closed, instructions on the packaging.

Fire and explosion protection measures: it ignites at a temperature of 265-289 degrees and smoulders slowly without fire.

Storage: no special requirements; store in a dry place.

The manufacturer/supplier guarantees safety for three years from the date of manufacture. Storage requirement: no special requirements; store in a dry place.

Special storage instructions: not necessary.

Other storage instructions: no explosion hazard. Protect from the sun if stored for an extended period of time.

8. Explosion protection and personal protective equipment

Additional equipment requirements: none.

Application parameters: none.

Personal protection: not required.

8. Explosion protection and personal protective equipment

Skin protection: wash hands with soap and water after finishing work.

Eye protection: when spreading with your hands in an open area and windy at the same time, use protective goggles.

9. Physical and chemical properties

Form: powder, particles from 0.15 to 6 mm.

Colour: light brown to brown.

Smell: minor, foliage, soil.

Explosion hazard: none.

Humidity: 10-12%

Density: less than 1.

pH (Acidity): 2.5 - 4.5.

10. Stability and reactivity

Thermal decomposition: not required.

Hazardous reactions: none.

Hazardous decomposition products: none.



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11. Toxicity data

Toxicity: non-toxic.

Skin impact: no allergies known to date.

Eye impact: fine particles may cause irritation.

Additional toxicological data: the product is non-toxic and has no harmful effects on human health, animals, poultry or the environment.

12. Environmental data

Disposal information: incinerate or compost.

Other data: the product is biodegradable.

Environmental impact: none.

Further environmental concerns: none.

Harmful metal and compound content: none.

General information: water pollution class 0, safe for water.

13. Disposal instructions

Product: biodegradable.

Recommendation: incineration, ash residue 2-4%.

Waste class: if the product is not used as waste, it can be disposed of in its original state as ordinary household waste.

Packaging: do not reuse.

Recommendation: dispose of plastic packaging following the regulations.

Recommended cleaning agent: water.

14. Transport data

It is not dangerous goods, transport on general grounds.

15. Prescriptions

Water pollution: non-polluting, pure natural product.

Water insoluble.

Hazardous substances and components content: none.

Basic risks - none, harmless, chemically inert.

16. Other data

All the above information is based on what we have known so far, but it is not conclusive and does not constitute the legal subject matter of the contract.



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PARAMETER NAME	LARN 32	EKO-SP	ELKOSORB
Sorption capacity (oil capacity) g/g	4,6-9	6-8	6-8
Application temperature, degrees Celsius	- 50 to + 60	- 60 +70	No data available
Saturated sorbent floatability	unlimited	30 days	30 days
Volumetric weight (bulk density) tonnes/cubic metres	0,14-0,15	0,13-0,14	No data available
Fraction, mm	0-9	0,124-4	0-6
pH (acidity)	No data available	2,5-4,0	3,5-4,5
Storage Period	Not limited	At least 18 months	Not limited
Packing weight/price per kg	12/100	250	7/342,86

