

SAFETY DATA SHEET
according to EU Regulation No. 2020/878

SAPROVIT SAPROPEL SOIL IMPROVER

Version: 1.0

Print date: 14.03.2025

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Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

SAPROVIT SAPROPEL SOIL IMPROVER

Synonyms/trade name

SAPROVIT SAPROPEL SOIL IMPROVER

1.2 Relevant identified uses of the substance

SAPROVIT sapropel soil improver is designed to restore the agrophysical and biological properties of soils, enrich them with components necessary for plant development and growth and cultivate desert areas. Effectively increases the energy of seeds and improves their germination, as well as promotes the activity of growth regulators contained in plants. Activates respiratory, energy, and metabolic processes in plant cells and improves protein, phosphorus, and nucleic metabolism and photosynthesis, thereby increasing the content of enzymes, pigments, and vitamins.

1.3 Details of the supplier of the safety data sheet

Manufacturer:

Chashniki Fertilizer Plant Limited Liability Company

Legal address and production address: Grinki village, house 1, Kruglitsky village Council, Chashniki district, Vitebsk region, 211140, Republic of Belarus.

Postal address: 122 Leninskaya Street, room 143, Vitebsk region, 211149, Republic of Belarus. Phone /fax: +375 (213) 36 03 93

E-mail: Chashniksky-sapropel@yandex.ru.

1.4 Emergency telephone number

+375 (213) 36 03 93

In case of emergency, call: 112 (Europe), 119 (Asia). Working hours: 24/7/365

Section 2 Hazards/risks identification

2.1 Classification of the substance or mixture

SAPROVIT sapropel soil improver is a versatile and highly effective product created on the basis of deep processing of sapropel, bottom sediments of an ecologically clean lake of glacial–karst origin, rich in nutrients and containing large amounts of organic substances, humus, micro- and macroelements.

Classification (EC Regulation No. 1272/2008)

GHS classification: Not classified according to the classification criteria as a dangerous product.

2.2 Label elements

(EC Regulation No. 1272/2008)

Signal word: not required.

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2.3 Other hazards

Not known.

Section 3 Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Composition (in terms of dry matter):

Mass fraction of organic substances – up to 95 percent;

Mass fraction of humic substances – 25.5 percent;

Mass fraction of humic acids – 13 percent;

Mass fraction of fulvic acids – 12.5 percent;

Total nitrogen (N) content – 4 percent;

Total phosphorus content (P_2O_5) – 1.5 percent;

Total potassium content (K_2O) – 0.2 percent;

Total calcium content (CaO) – 0.7 percent.

Section 4 First aid measures

4.1 Description of first aid measures

General recommendations:

There is no need for any special measures. In all doubtful cases, consult a doctor.

Inhalation:

Remove the victim to fresh air, free from tight clothing, provide warmth and peace. In all doubtful cases, if the symptoms persist, consult a doctor.

In contact with skin:

Rinse with running water. No additional measures required.

Eye contact:

Rinse eyes carefully for several minutes. Remove contact lenses if you use them or if it is easy to do so. Continue rinsing the eyes. In case of eye irritation, consult an eye specialist.

If swallowed:

Rinse out the mouth. Drinking plenty of water, activated carbon, saline laxative. Get medical help.

4.2 Most important symptoms and effects

Not known.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

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Section 5 Firefighting measures

5.1 Extinguishing media

SAPROVIT sapropel soil improver is fire- and explosion-proof. It does not require special safety measures.

Recommended extinguishing media: extinguishing media and extinguishing method should be selected based on the local environment at the fire site.

Unsuitable extinguishing media: no data available.

5.2 Special hazards arising from the substance or mixture

No data available.

Hazardous combustion products: SAPROVIT sapropel soil improver is not a combustible substance.

5.3 Advice for firefighters

Use conventional fire extinguishing methods, not forgetting the danger that may come from other materials.

Additional information: No data available.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from the fire zone. Keep to windward. Remove outsiders. Victims must be provided with the first aid. Send people from the impact site for medical examination.

6.2 Measures for environment protection

The method of applying SAPROVIT sapropel soil improver and its non-toxicity eliminates the danger and need to control soil and water pollution. If possible, eliminate the cause of the scattering, take measures to collect the scattered product and use it for its intended purpose.

6.3 Methods and material for containment and cleaning up

No special decontamination measures are required.

6.4 Reference to other sections

See Section 1.4. for emergency contact information. See Section 8 for personal protective equipment. See Sections 7 and 10 for possible fertiliz restrictions. See Section 13 for disposal considerations.

Other information: none.

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Section 7 Handling and storage

7.1 Precautions for safe handling

All work related to the SAPROVIT sapropel soil improver use should be carried out in well-ventilated areas or outdoors. Do not perform works during strong winds or precipitation. Persons engaged in use of SAPROVIT sapropel soil improver should be provided with personal protective equipment.

Measures to prevent fire as well as aerosol and dust generation:

No special measures required. SAPROVIT sapropel soil improver is non-flammable, fire and explosion-proof.

Hygiene measures

When working with SAPROVIT sapropel soil improver, it is not allowed to eat, drink, or smoke. Wash your hands before breaks and after working with soil improver. Contaminated clothing should be washed regularly. See Section 8 for personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

SAPROVIT sapropel soil improver must be stored in conditions that exclude contamination by foreign impurities and precipitation.

The shelf life of SAPROVIT sapropel soil improver is 2 years.

7.3 Specific end use(s)

Except for the use described in Section 1.2, there are no other use cases.

Section 8 Exposure controls/personal protection

8.1 Control parameters

The control parameters that are subject to mandatory control have not been established.

8.2 Exposure control

8.2.1 Appropriate engineering controls

No required.

8.2.2 Personal protective equipment

Personal protective equipment should be selected specifically for each workplace depending on the amount of SAPROVIT sapropel soil improver used.

Eye/face protection:

No required.

Skin protection:

Cotton overalls.

Hand protection:

No required.

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Respiratory protection:

No required.

Other protection measures:

You must observe personal hygiene. Eating, drinking, smoking is prohibited while working with SAPROVIT sapropel soil improver. After completing the work, take off your work clothes, wash your face and hands with soap, and take a shower if possible.

8.2.3 Environmental exposure controls

No special measures required. See also Sections 6 and 12.

Section 9 Physical and chemical properties

Parameter description	Characteristic and norm
1	2
- physical condition	Pastelike
- color	Dark brown
- odour	No information available
- hydrogen ions (pH) concentration	Not more than 8.0
- mass fraction of moisture	Not more than 96 %
- melting/freezing point	No information available
- boiling point or initial boiling point and boiling range	Not applicable
- flash point	No information available
- evaporation rate	No information available
- flammability (solid, gas)	Not applicable
- explosion limits: - lower explosion limit (LEL) - upper explosion limit (ERW)	No information available
- explosion limits from dust clouds	Not applicable
- gas pressure	Not applicable
- density	Not applicable
- vapor density	Not applicable
- bulk density	Not applicable
- relative density	Not applicable
- solubility (s) - solubility in water	No information available
- partition coefficient: n-octanol / water	No information available
- auto-ignition temperature	Not applicable
- decomposition temperature	Not applicable
- viscosity	No information available
- explosive properties	Not classified as explosive
- oxidizing properties	No information available

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Section 10 Stability and reactivity

10.1 Reactivity

SAPROVIT sapropel soil improver does not form toxic compounds with other substances in the air and wastewater.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Precipitation.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

Section 11 Toxicological information

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

Classified as a low-hazard, non-toxic compound.

Acute toxicity

Not classified.

Skin corrosion/irritation

Not classified.

Severe eye damage/irritation

Not classified.

Respiratory or skin sensitization

Not classified.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

Aspiration hazard

Not classified.

Information on likely routes of exposure

Specific data not available.

Symptoms related to physical, chemical and toxicological characteristics

Specific data not available.

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Section 12 Ecological information

12.1 Toxicity

SAPROVIT sapropel soil improver not classified as toxic to the environment.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No PBT and vPvB assessment was conducted.

12.6 Other adverse effects

No information available.

Section 13 Disposal considerations

13.1 Waste treatment methods

Utilization of SAPROVIT sapropel soil improver can be achieved by simply applying it to the open ground. After the expiration of the shelf life, SAPROVIT sapropel soil improver can be used by applying to open ground. In case of loss of consumer properties, SAPROVIT sapropel soil improver is disposed of with household waste.

Contaminated packaging: the disposal of used packaging must be conducted according to laws and regulations in force in the region, country and administrative unit.

Section 14 Transport information

SAPROVIT sapropel soil improver is not a dangerous product and is not classified as a dangerous cargo in accordance with ADR/IMDG Code/IATA/ADN.

14.	UN number	Not applicable
1		
14.	UN proper shipping name:	Not applicable
2		
14.	Transport hazard class(es):	Not applicable
3		
14.	Packing group	Not applicable
4		
14.	Environmental hazard	None
5		
14.	Special precautions for user	None
6		

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14. Transport in bulk according to Annex II of Not applicable
7 Marpol and the IBC Code

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Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

1. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006.

2. Regulation (EC) No. 1907/2006 (REACH) of 18 December 2006 concerning the registration, evaluation, authorization and restriction of Chemicals.

3. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

4. The European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR). United Nations, New York and Geneva, 2025.

5. Annex II to the MARPOL 73/78 Convention for the Prevention of Pollution by Harmful Liquid Substances Carried in Bulk.

15.2 Chemical safety assessment

No chemical safety assessment according to REACH Regulation No. 1907/2006 have been conducted in this product.

Section 16 Other information

Acronyms and abbreviations

UN number	Substance Identification Number
GHS	Globally Harmonized System of Classification and Labeling of Chemicals developed by United Nations
MARPOL	International Convention for the Prevention of Pollution from Ships
PBT	Persistent, bioaccumulative and toxic
REACH	Registration, Evaluation, Authorisation and Restrictions of Chemicals
vPvB	Very persistent and very bioaccumulative