SOLVIKA MIX 422BF15

Potting substrate with 15% wood fibre, medium 0-20 mm

This product is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP). This sheet is supplied voluntarily, for the safety of the people who handle the product.

SECTION 1: Identification of the product and of the company

1.1 Product identifier	SOLVIKA MIX 422BF15, Potting substrate with 15% wood fibre, medium 0-20 mm
1.2 Identified uses	Growing medium for professional horticulture. Uses advised against: none known.
1.3 Supplier	UAB SOLVIKA, Leipalingio str. 4, LT-67228 Miesto Kolonijos vil., Lithuania. Phone +370 655 99 111, e-mail export@peatmoss.lt, www.peatmoss.lt
1.4 Emergency telephone	Poison Control and Information Bureau, Lithuania, +370 5 236 2052 (24 hours). Supplier: +370 655 99 111, working days.

SECTION 2: Hazards identification

2.1 Classification	Not classified as hazardous under Regulation (EC) No 1272/2008. The classification follows from the ingredients: the peat, the limestone and the wood fibre are not hazardous, and the fertiliser and the wetting agent are small doses per cubic metre (section 3).
2.2 Label elements	None required. No hazard pictogram, signal word or hazard statement.
2.3 Other hazards	Dust from dry material may irritate the eyes and the airways. Dry peat burns, and a fire can smoulder inside a bag or pile after the surface is out. Not a PBT or vPvB substance or mixture.

SECTION 3: Composition, information on ingredients

3.2 Mixture. The shares of peat and wood fibre are by volume. The additives are doses per cubic metre.

Ingredient	Share or dose
Sphagnum peat, moderately to highly decomposed	80 to 85% by volume
Wood fibre	15% by volume
Limestone, calcitic and dolomitic (calcium and calcium magnesium carbonate)	to pH 5.5 to 6.5
Compound mineral fertiliser NPK 14-16-18 with trace elements	1.5 kg/m³
Wetting agent (Fiba-Zorb)	200 ml/m³

SECTION 4: First aid measures

4.1 First aid	Inhalation: move to fresh air. Eye contact: rinse the eyes with water to remove particles, and get medical advice if irritation persists. Skin contact: wash with water, and keep open wounds covered and clean, as any good hygiene programme suggests. Ingestion: rinse the mouth with water, and get medical advice if you feel unwell.
4.2 Symptoms and effects	None known, apart from mechanical irritation of the eyes or airways by dust.
4.3 Medical attention	No immediate medical attention or special treatment is needed.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Water, preferably as spray or mist, and foam.
5.2 Special hazards	Burning may continue inside bags or piles after the surface fire is out. Smoke contains carbon monoxide and carbon dioxide.
5.3 Advice for firefighters	Break the bags or separate the pile so the fire is extinguished throughout, and soak the material. In smoke, wear breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions	Avoid raising dust. No special protective equipment is needed.
6.2 Environmental precautions	None needed: the material is a natural growing medium.
6.3 Cleaning up	Sweep or shovel up the material in a way that keeps dust down. It can be used on soil.
6.4 Other sections	Protection: section 8. Disposal: section 13.

SECTION 7: Handling and storage

7.1 Safe handling	Avoid creating dust. Ventilate enclosed spaces where the product is handled dry.
7.2 Safe storage	Store in a cool, dry place, away from heat sources and open flame.
7.3 Specific end use	Growing medium, see 1.2.

SECTION 8: Exposure controls, personal protection

8.1 Control parameters	No occupational exposure limit is set for peat. The general limits for inhalable and respirable dust of the country of use apply.
8.2 Exposure controls	Respiratory protection is not normally needed. Where dust is created, a dust mask. Protective glasses where dust levels are high enough to irritate the eyes. Gloves are recommended. Normal work clothing.

SECTION 9: Physical and chemical properties

9.1 Appearance	Solid, loose and fibrous. Dark brown.
Odour	Earthy.
pH (H_2O), EN 13037	5.5 to 6.5
Bulk density (natural)	200 to 330 g/L
Moisture, EN 13040	about 45 to 60%
Solubility in water	Insoluble.
Flammability	Combustible when dry.
Melting point, flash point	Not applicable.
9.2 Other information	None.

SECTION 10: Stability and reactivity

10.1 Reactivity	Not reactive under normal conditions.
10.2 Chemical stability	Stable under normal conditions of storage and use.
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	Heat and open flame.
10.5 Incompatible materials	None known.
10.6 Decomposition products	Burning gives carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Hazard classes	No toxic effects are known for the product. Dust may irritate the eyes and the airways mechanically.
11.2 Other hazards	No endocrine disrupting properties are known.

SECTION 12: Ecological information

12.1 Toxicity	No harmful effects on the environment are known.
12.2 Persistence and degradability	A natural organic material that is biodegradable.
12.3 Bioaccumulation	Not expected.
12.4 Mobility in soil	The peat is an insoluble solid. The fertiliser nutrients are water soluble and can leach with surplus water.
12.5 PBT and vPvB	Not a PBT or vPvB substance or mixture.
12.6 Endocrine disruption	No endocrine disrupting properties are known.
12.7 Other adverse effects	None known.

SECTION 13: Disposal considerations

13.1 Waste treatment	Not hazardous waste. Surplus product can be spread on soil. Packaging goes to recycling or disposal under local rules.

SECTION 14: Transport information

14.1 to 14.4	Not dangerous goods under ADR, RID, IMDG or IATA: no UN number, proper shipping name, hazard class or packing group.
14.5 Environmental hazards	None.
14.6 Special precautions	None.
14.7 Maritime transport in bulk	Not applicable.

SECTION 15: Regulatory information

15.1 Not classified under Regulation (EC) No 1272/2008. The peat in this product is exempt from registration under REACH (Annex V, point 8).

Contaminants and pathogens against the limits for a growing medium in Regulation (EU) 2019/1009, Annex I, Part II, PFC 4:

Parameter	Limit	Result
Cadmium (Cd), mg/kg dry matter	1.5	below 0.10
Chromium, total, mg/kg dry matter (limit for Cr VI)	2	below 2.0
Mercury (Hg), mg/kg dry matter	1	0.040
Nickel (Ni), mg/kg dry matter	50	below 2.0
Lead (Pb), mg/kg dry matter	120	3.1
Copper (Cu), mg/kg dry matter	200	16
Zinc (Zn), mg/kg dry matter	500	14
Salmonella spp.	absent in 25 g	not detected in 50 g
Escherichia coli, per g	1 000	below 10

Laboratory analysis of 12 Sep 2024, measured on a limed and fertilised SOLVIKA substrate from Lithuania. Hexavalent chromium and inorganic arsenic were not measured separately. The full report is sent on request.

15.2 A chemical safety assessment has not been carried out.

SECTION 16: Other information

Version 1 of 16 Oct 2026, the first in this format. It replaces the earlier material safety data sheets for this product.

The technical values of this product are on its technical datasheet: www.peatmoss.lt/substrates/solvika-mix-422bf15/

The information in this sheet is based on our present knowledge and our laboratory reports. It describes the product for safety purposes and is not a specification or a guarantee of properties. Users should check the suitability of the product for their own conditions.