

SAFETY DATA SHEET

According to Annex II of the Regulation of the European Parliament and of the Council 1907/2006/EC as amended

Release date: 11/11/2024

Replaces version from: 6/21/2024

VERMAKTIV STIMUL**SECTION 1 ANDSUBSTANCE IDENTIFICATION/MIXTURES AND COMPANIES/BUSINESS****1.1 Product identifier****Trade name:**VERMAKTIV STIMUL**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Liquid auxiliary herbal preparation, acidic alcoholic-water extract of vermicompost. It supports rooting, growth, flowering and the amount of storage substances, increases plant resistance.

Advantages: Biological stimulation of the immune system and the growth of the root system and green area of plants, increasing the quality and yield of crops, suitable for use in organic farming. The product is diluted according to the instructions before use.

Other uses are not recommended.

1.3 Detailed data on the supplier of the safety data sheet

Enzymix s.r.o
Frindova 612/24
407 46 Krásná Lípa
Czech Republic

Phone: +420 607 911 542

Email:enzymix@enzymix.eu

Website:www.enzymix.eu ,www.vermaktiv.cz

Responsible person: Zdeněk Petružálek,zpetruzalek@enzymix.eu

1.4 Telephone number for emergency situations

Toxicology Information Center, Na Bojišti 1, 128 21 Prague, **Tel: 224 919 293 or 224 915 402 (24-hour medical service).**

SECTION 2 ANDHAZARD IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation 1272/2008/

EC: The mixture is not classified as dangerous.

2.2 Marking elements

Instructions for safe handling:

P102 Keep out of reach of children.

P264 Wash hands and affected body parts thoroughly after handling.

Additional information:

EUH401 Follow the instructions for use to avoid risks to human health and the environment.

2.3 Other hazards

She is not known. Registration decision number: 2983.

The product does not contain PBT or vPvB substances in an amount greater than or equal to 0.1%. The product does not contain endocrine disruptors in an amount greater than or equal to 0.1%.

SECTION 3 WITHBED/INGREDIENT INFORMATION**3.2 Mixtures**

Substance name	Content in wt% EC-No.	CAS-No.	Index-No.
acetic acid ... %	<10	200-580-7	64-19-7

Classification according to Regulation (EC) No. 1272/2008:

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Flammable liquids, Flam. Liq. 3, H226 Skin corrosion, Skin Corr. 1A, H314 Serious eye damage, Eye Dam. 1, H318

Specific concentration limits: Skin Corr. 1A, H314: $C \geq 90\%$; Skin Corr. 1B, H314: $25\% \leq C < 90\%$; Skin Irritation. 2, H315: $10\% \leq C < 25\%$; Eye Irritation. 2, H319: $10\% \leq C < 25\%$.

Note: B - Some substances (acids, hydroxides, etc.) are marketed in aqueous solutions of different concentrations and therefore require different classification and labelling, as their hazard is different at different concentrations.

Substance with exposure limits, see section 8.

ethanol	<5	200-578-6	64-17-5	603-002-00-5
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Classification according to Regulation (EC) No.

1272/2008: Flammable liquids, Flam. Liq. 2, H225

Substance with exposure limits, see section 8.

See section 16 for the full text of the H-phrases.

SECTION 4 PWINDOWS FOR FIRST AID

4.1 Description of first aid

In case of health problems or in case of doubt, notify the doctor and provide him with the information from this safety data sheet. In all cases, keep the affected person calm and prevent catching cold. Pay attention to your own protection when providing first aid.

Inhalation: First aid is unlikely to be necessary. In case of problems, follow the general principles. Move the victim to fresh air. Change the casualty's clothes if the product has come into contact with clothing. Protect the victim from catching cold. Seek medical treatment.

Skin contact: Remove contaminated clothing. Immediately rinse affected areas of skin with plenty of lukewarm water. If the skin has not been injured, it is advisable to use soap, soap solution or shampoo.

Eye contact: Immediately flush eyes with running water for at least 15 minutes. Keep the eyelids open to flush the eye thoroughly. If the victim wears contact lenses, remove them. In case of problems, consult a doctor.

Ingestion: DO NOT INDUCE VOMITING! Rinse the oral cavity with water and drink 2-5 dl of water. Get medical treatment for a person who has health problems.

4.2 Most important symptoms and effects, both acute and delayed

They are not likely. Irritation of the respiratory system, irritation and redness of the skin in case of allergy, eye irritation and, in exceptionally sensitive individuals, irritation of the digestive system may occur.

4.3 Indication of immediate medical attention and special treatment

Elementary aid, decontamination, symptomatic treatment.

SECTION 5 OFIRE EXTINGUISHING APPLIANCES

5.1 Fire extinguishers

The mixture is not flammable. Choose extinguishing agents according to the nature of the fire and its surroundings. **Suitable extinguishing agents:** water, fire-extinguishing foam, carbon dioxide, fire-extinguishing powder. **Unsuitable extinguishing agents:** are not known.

5.2 Special hazards arising from the substance or mixture

In case of fire, carbon monoxide and carbon dioxide and other toxic gases may be produced. Inhalation of dangerous decomposition (pyrolysis) products can cause serious damage to health.

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5.3 Instructions for firefighters

Use self-contained breathing apparatus and a full-body protective suit. Do not let the contaminated extinguishing agent escape into the sewer, surface and ground water. If possible, remove the material from the fire area. Close the area at risk and prevent unauthorized persons from entering.

SECTION 6 OACCIDENTAL RELEASE RESPONSE

6.1 Personal protection measures, protective equipment and emergency procedures

Use personal protective work equipment. Follow instructions contained in sections 7 and 8. Avoid contact with skin and eyes. Ventilate closed spaces. Mark the location of the leak. Keep unauthorized persons out of the affected area. Notify the local emergency center (police, fire brigade) about the accident. Prevent liquid from escaping by capping or sealing the leak.

6.2 Environmental protection measures

Avoid release of product into the environment, water sources, sewers or soil. If the product has entered water, sewage or soil, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

Large spill: Drain the product.

Small spill: Absorb with suitable absorbent material, e.g. Vapex, collect in well-closed containers and dispose of according to section 13. In case of spillage of large quantities of product, notify the fire brigade and other competent authorities. After removing the product, wash the contaminated area with plenty of water. Do not use solvents.

6.4 Reference to Other Sections

Section 7 for handling, Section 8 for personal protective equipment, Section 13 for disposal.

SECTION 7 FROMHANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wash hands and affected body parts thoroughly after handling. Use personal protective equipment in accordance with section 8. Observe applicable health and safety legislation. It is not allowed to drink, eat or smoke while working and it is necessary to observe the rules of personal hygiene. The workplace must be kept clean and escape exits must be passable. Only substances that are necessary for work may be prepared at the workplace.

7.2 Conditions for safe storage of substances and mixtures, including incompatible substances and mixtures

Store in a clean, dry, well-ventilated place. Store in original packaging. Unsuitable container and packaging materials: unalloyed steel, galvanized surfaces. Suitable container and packaging materials: rubber, glass, ceramic, polyethylene, polypropylene, glass laminate. Store away from food, drinks, feed. Isolate from strong oxidizing agents.

Measures to protect against fire and explosion: Warehouses must meet the fire safety requirements of buildings and electrical equipment must comply with applicable regulations.

7.3 Specific end / specific end uses See section 1.2.

SECTION 8 OLIMITATION OF EXPOSURE/PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters

NV CR no. 361/2007 Coll. as amended:

acetic acid ... %:PEL 25 mg/m³, PEL 10 ppm; NPK-P 50 mg/m³, NPK-P 20 ppm; note AND.

ethanol:PEL 1000 mg/m³, PEL 522 ppm; NPK-P 3000 mg/m³, NPK-P 1566 ppm.

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PEL – permissible exposure limit; NPK-P – highest permissible concentration at the workplace; note I – irritates mucous membranes (eyes, respiratory tract) or the skin.

8.2 Limiting Exposure

8.2.1 Appropriate technical measures

Ensure workplace ventilation. Where there is any possibility of employees being hit, it is advisable to set up an eyewash fountain and a safety shower (at least a suitable water outlet) in the work area to provide first aid.

8.2.2 Individual protection including personal protective equipment

Do not eat, drink or smoke while working. Wash your hands thoroughly with soap and water after work and before breaks for meals and rest.

a) Face protection: not required under normal conditions. When working with a large amount of product, use tight-fitting safety glasses/a protective face shield complying with the ČSN EN 166 standard.

b) Skin protection: i) by hand – not required under normal conditions. When working with a large amount of product, use protective gloves resistant to the product, e.g. rubber, penetration time: >480 minutes, complying with ČSN EN 374. Follow the recommendations of the specific glove manufacturer when choosing the appropriate thickness, material and permeability. Follow the manufacturer's other recommendations.

ii) other parts of the body – Protective work clothing and footwear. When polluted wash your skin thoroughly. Contaminated items of clothing must be washed again before reuse.

c) Respiratory protection: It is not necessary if there is good ventilation in the workplace.

d) Thermal hazard: Not known.

8.2.3 Limiting environmental exposure

Observe the usual environmental protection measures, see point 6.2. Observe the conditions of handling and storage, in particular ensure spaces against leakage into watercourses, soil and sewage.

SECTION 9 FPHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State:	liquid
Color:	brown
Odor:	characteristic
Melting point/freezing point:	- 1 °C
Boiling point or initial boiling point and boiling point range:	unspecified
Combustibility:	non-flammable
Lower and upper explosion limits: Flash point (°C):	unspecified undetermined
Auto-ignition temperature:	undetermined
Decomposition temperature:	undetermined
pH:	5-6 (undiluted)
Kinematic viscosity:	undetermined
Solubility:	infinitely soluble in water
Partition coefficient n-octanol/water (logarithmic value):	undetermined
Vapor pressure:	unspecified
Density and/or relative density:	1.210 – 1.420 g/cm ³ at 20 °C not
Relative vapor density:	determined

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Particle characteristics:

unspecified

9.2 Additional Information

Explosive properties:

non-explosive

Oxidizing properties:

doesn't have

SECTION 10 WITHRESISTANCE AND REACTIVITY

10.1 Reactivity

Data not available.

10.2 Chemical stability

Under normal conditions (20 °C; 101.3 kPa), the mixture is chemically stable.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

High temperatures, contact with substances with a dangerous chemical reaction.

10.5 Incompatible materials

Isolate from strong oxidizing agents. Avoid these substances: unalloyed steel, galvanized surfaces.

10.6 Hazardous decomposition products

They do not arise under normal use. At high temperatures and in case of fire, dangerous products such as carbon monoxide and carbon dioxide are formed.

SECTION 11 TOXICOLOGICAL INFORMATION

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

Mixture test data not available. **Acute**

toxicity:

It does not meet the criteria for classification.

Skin corrosion/irritation: Serious eye damage/irritation: Respiratory/skin sensitization: Germ cell

It does not meet the criteria for classification. It

does not meet the criteria for classification. It

does not meet the criteria for classification. It

mutagenicity: Carcinogenicity:

does not meet the criteria for classification. It

does not meet the criteria for classification. It

Reproductive toxicity:

does not meet the criteria for classification.

Specific target organ toxicity - single exposure: It does not meet the criteria for classification.

Specific target organ toxicity - repeated exposure: It does not meet the criteria for classification. **Inhalation hazard:** It does not meet the criteria for classification.

11.2 Information on additional hazards

The product does not contain endocrine disruptors in an amount greater than or equal to 0.1%.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

The product is not classified as dangerous for the environment.

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12.2 Persistence and Deployability

Degradable product, it is a mixture of natural substances

12.3 Bioaccumulative potential

Data not available.

12.4 Mobility in soil

Data not available.

12.5 Results of PBT and vPvB assessment

The product does not contain PBT or vPvB substances in an amount greater than or equal to 0.1%.

12.6 Properties causing disruption of the endocrine system

The product does not contain endocrine disruptors in an amount greater than or equal to 0.1%.

12.7 Other Adverse Effects

They are not known.

SECTION 13 PWINDOWS FOR REMOVAL

13.1 Waste management methods

Do not dispose of in drains, soil or water bodies. Dispose of the product and packaging in accordance with regulations. Applicable legislation: Act no. 541/2020 Coll. on waste as amended, Act no. 477/2001 Coll. on packaging as amended.

According to the European Waste Catalog, waste codes are not characteristic of the product, but of its use. Waste codes should be assigned by the user, preferably after discussion with the authorities responsible for waste disposal.

SECTION 14 ANDSHIPPING INFORMATION

14.1 UN number or ID number

Not applicable.

14.2 Official (UN) shipping name

Not applicable.

14.3 Transport hazard class/classes

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Environmental hazard

No.

14.6 Special security measures for users

Not applicable.

14.7 Maritime bulk transport according to IMO instruments

Not applicable.

SECTION 15 ANDREGULATORY INFORMATION

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

Regulation of the European Parliament and the Council (EC) no. 1907/2006 (REACH),

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Regulation of the European Parliament and the Council (EC) no. 1272/2008 (CLP),
Law no. 350/2011 Coll. on chemical substances and chemical mixtures as amended, Act
no. 258/2000 Coll. on the protection of public health as amended.

15.2 Chemical safety assessment It was
not done.

SECTION 16 DOTHER INFORMATION

Release date:11/11/2024

Revision Notes:modification of the format according to Regulation 878/2020/EC; change of classification and labeling of the mixture, change of composition, addition of exposure limits in section 8.

Lists of relevant phrases: **H225**Highly flammable liquid and vapor.**H226**Flammable liquid and vapors.**H314**Causes severe skin burns and eye damage.**H315**It irritates the skin.**H318** Causes serious eye damage.**H319**Causes serious eye irritation.**EUH401**Follow the instructions for use to avoid risks to human health and the environment.

Classification method:calculation method. **Data**

Sources:material safety data sheets, ECHA.

Employee training:Workers must be instructed on handling risks and health and environmental protection requirements.

Note:

The aim of BL is to enable users to take the necessary measures related to health protection, workplace safety and environmental protection.

It is the responsibility of the person receiving this SDS to ensure that all who may use, handle or in any way come into contact with the product are familiar with and understand the information contained in this SDS. If the recipient subsequently creates a product containing this product, it is his sole responsibility to ensure the transfer of all factual information from the supplier's BL to his product's BL, in accordance with applicable regulations and laws.

All information and instructions provided in this SDS are based on the current state of scientific and technical knowledge. The manufacturer will not be liable for any defect in the product, if the occurrence of such a defect could not be detected according to scientific and technical knowledge at the date of issue of the BL.