



**Sunshine Green Environmental Protection LLC**  
**Healthy Earth, Healthy You**  
**9040 Town Center Pkwy Lakewood Ranch FL 34202**  
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## MATERIAL SAFETY DATA SHEET

updated : July 25<sup>th</sup> 2017 / February 14<sup>th</sup> 2024

original date of issue March 20<sup>th</sup> 2002

### Ensynox Solution

#### 1. Product and manufacturer identification

1.1 Name of product: ENSYNOX ORGANIC ENZYME SOLUTION (symbol: Ex)  
Name and symbol are trademarked Reg. No. 5,595,829 / 5,679,366

Type of product: Solution for disposal of harmful biological, bacterial, chemical /NEL / and petroleum substances (hydrocarbons, PAH, BTEX)

Formulas: Environmental, Agricultural, Human consumption and biomedicine

Identification number: CE – 310-127-6 , EINECS – CE – 232-650-8

Name of the manufacturer / Distributor: ZDS spol s.r.o. Tisovec, Slovakia, EU  
Sunshine Green Services LLC, USA

Contact: USA and EU – Attila Tottosi +1 941.718.3373 [attila.tottosi@ensynox.com](mailto:attila.tottosi@ensynox.com)  
Address: 9040 Town Center Pkwy, Lakewood Ranch FL 34202, USA  
USA – Scott L. Caridi +1 201.696.2669 [scottcaridi@yahoo.com](mailto:scottcaridi@yahoo.com)

1.2 Distributors: Sunshine Green Environmental Protection LLC and Sunshine Green Services LLC  
Address: 9040 Town Center Pkwy, Lakewood Ranch FL 34202 USA

2. **Origin** Natural origin, product made of a combination of specially selected earthworm species – mainly CALIFORNIAN EISENIA FOETIDA and other synergetic earthworm species.

3. **Compound data** Liquid decontamination solution of worm of an organic origin  
chemical feature: No CAS number 9002-07-7  
identification number: 310-127-6  
EINECS number: 232-650-8

**ENSYNOX<sup>®</sup>**



**[www.ensynox.com](http://www.ensynox.com)**



#### **4. Specification of hazards**

Hazard identification: This substance is not hazardous or poses no danger to humans, living organisms, or the environment according to EC.

Directives No 67/549 EEC and No. 1999/45/EC

Composition: Natural Origin Substances CAS No 999999/99-4

Concentration / Full data: Manufacturer's secret

Hazard symbol: none; Xn, R36/37/38-42

#### **PREVENTION**

P 102 Keep locked away from children.

P 264 Wash hands after use.

P 270 Do not eat, drink, or smoke while using product.

P 302-352 If product comes into contact with skin, it is recommended to wash thoroughly with water.

P 305-351-338 If product comes into contact with eyes, rinse with water for several minutes.

P 401 Storage – Store in a closed container separate from food, beverages, and animal feed.

#### **5. First aid:**

General steps: No specific steps are required

If contact with skin occurs, there is no indication of hazard; wash down with water and rinse thoroughly.

If contact with eyes occurs, rinse thoroughly with water while holding eyelids open.

If difficulties persist, seek help from a medical professional.

If swallowed, then no specific steps are required, there is no indication of hazard.

#### **6. Fire prevention measures:**

The product is not flammable. It is classified as „ E „,!!! class

#### **7. Measures in case of an accident**

**\*\*Safety Precautions for Individuals:\*\*** Please refer to point number 8 regarding the use of personal protective equipment. Wearing protective gloves is recommended.

**\*\*Environmental Precautions\*\*** Only controlled application is allowed. If the product is spilled, then there is no danger to the environment.



## 8. Handling and storage

Store the product in the refrigerator and avoid exposing it to freezing temperatures. If kept in its original, sealed container and stored in a cool, dry, and sheltered location, the product can be stored for up to one year. If stored by private individuals, ensure that it is locked away from children. The ideal storage temperature is between 3-5 degrees Celsius (37-41 degrees Fahrenheit). Handling Instructions: Before application, remove the enzyme from the refrigerator and allow it to sit at room temperature for 2 hours, keeping it out of direct sunlight. Shake well before use.

## 9. Physical and chemical properties

State: liquid

Odor: None

Color: brown

pH (in 10 % water suspension)		7.4 + 0.5
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Dry matter content (m/m %)	at least	0.2
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Organic matter content (m/m %)	at least	0.05
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Density (kg/dm <sup>3</sup> )		1.0
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Total water-soluble salt content (m/m %)	max.	0.1
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Total N content(m/m %)	at least	0.05
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Total P <sub>2</sub> O <sub>5</sub> content (m/m %)	at least	0.01
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Total K <sub>2</sub> O content (m/m %)	at least	0.02
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Total Ca content (m/m %)	at least	0.01
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Total Mg content (m/m %)	at least	0.01
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As content (mg/l)	max.	10.0
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Cd content (mg/l)	max.	2.0
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Co content (mg/l)	max.	50.0
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Cr content (mg/l)	max.	100.0
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Cu content (mg/l)	max.	100.0
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Hg content (mg/kg)	max.	1.0
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Ni content (mg/l)	max.	50.0
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Lipase, amilase, cellulase, protease, fibrinolytic enzymes, lumbrokinase, collagenase, superoxide dismutase, cholinesterase, N, Ca, Mg, As, Cd, Co, Cr, Hg, Ni, vitamin B, glycosidases, metallothionein, calmodulin-binding protein, proteins with proliferation-improving activity, lysenin, eiseniapore, antitumor protein, glycoprotein extract, gut mobility regulation peptide, antibacterial peptide, carbamidine, tyrosine, lumbrilin, succinic acid, lumbrofobrim, lauric acid, terrestrolumbrolysin, purin, unsaturated fatty acid and other trace elements.

## 10. Stability and indication of reaction

in original, closed packing, refrigerated (36F-41F) frost-free place up to 1-year.

Thermal decay: no

Dangerous reactions: no

Dangerous decomposition product: no

#### 11. Toxicology data

Acute toxicity: not known  
Classing relevancies: -----  
Primary irritant effect on skin: no irritant effects  
Primary irritant effect in eyes: no irritant effects  
Sensibility: senzibilizing effects not known

Other toxicological data: In case of appropriate storing and handling according to the prescription of the product, it has no health hazardous effects based on our experience and data available.

#### 12. Eco Toxicity

General data: Eco toxicital evaulations are currently not available.

#### 13. Regulations of transport

Transport and other data: on the basis of data above, the product does not belong to hazardous material.

#### 14. Salvage, making refuse harmless

Product annihilation according to the present EU, US and World-Standard regulations.  
Packing material annihilation: packing material has to be annihilated according to the operate regulations.

#### 15. Regulations, Certificates, Permissions

Designation according to EU-guidelines: This material is not bound to be designated on the basis of the EU-guidelines for hazardous materials.

Issuing date and document No.: EU/Rady/ES/C.1271/2008.

General measures for handling of crop increasing materials have to taken into consideration.

International regulations: no restriction.

North America: USDA Animal and Plant Health Inspection Service, Plant Protection and Quarantine Permits, Registrations, Imports and Manuals.

USDA APHIS has no statutory authority to regulate the importation or interstate movement of enzymes extracted from earthworms as long as the product is not contaminated with viable or living plant or animal pests (e.g. bacteria, viruses). The product does not require APHIS permit for importation.

Issuing date is June 14 2006. (Robert V. Flanders, Ph.D Chief Pest Permit Evaluations, USDA)

Danger on water: no danger on water.

#### 16. Other Data

The data are based on our current knowledge and laboratory tests; however, they do not guarantee the product attributes and do not constitute a legal basis for any contract.



Dušan Slašťan

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