

# **SAFETY DATA SHEET** in accordance with Regulation (EC) No. 1907/2006



## **ZAPPER**

Version 3 /EN

Revision date: 15.07.2025

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### **SECTION 1: Identification of the substance/mixture and of the company/ undertaking 1.1. Product identifier:**

**Trade name:**ZAPPER

**Product code:**ZAPR

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use:**Soil improving fertilizer **Details of the supplier of the safety data sheet Company:**  
NOROFERT SA

Street LT. AV. Șerban Petrescu, No. 20, Sector 1, Bucharest, Romania

Phone: 0766 080 767

**Email address of the person responsible for the SDS:**[office@norofert.ro](mailto:office@norofert.ro)

### **1.3. Telephone number that can be called in case of emergency:**

NOROFERT SA – 0727034308 or Toxicological Information Center: Bucharest Institute of  
Public Health Tel: 021 3183606 or 021 3183620/ext. 235 (Monday-Friday 8:00-15:00)

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### **SECTION 2: HAZARDS IDENTIFICATION 2.1**

#### **Classification of the substance or mixture**

#### **Classification Regulation (EC) No 1272/2008**

It is not classified, it does not meet the classification conditions.

#### **2.2 Label elements Labelling**

#### **Regulation (EC) 1272/20082 Hazard**

#### **statements:**

Not the case

#### **Precautionary phrases:**

P501 – Dispose of contents/container in accordance with regulations  
national/international.

#### **2.3 Other hazards**

This mixture does not contain components considered to be persistent, bioaccumulative and  
toxic (PBT). \_\_\_\_\_

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS 3.1****Active substance**

Not applicable. The product is not a substance.

**3.2 Mixtures****Chemical nature**

Soluble concentrate

IUPAC name	EC	house	Conc.	Classification Cf. Reg. (EC) No. 1272/2008
Beauveria bassiana	Unassigned	Unassigned	3%	Unrated
Metarhizium anisopliae	Unassigned	Unassigned	0.5%	Unrated
Water	686-299-4	7732-18-5	96.5%	Unrated

**SECTION 4: FIRST AID MEASURES 4.1****Description of first aid measures****General advice**

Keep the product container, label or safety data sheet in case you need to consult a doctor.

**Inhalation**

Move to fresh air. Lay the person down and keep warm. If symptoms persist, consult a doctor.

**Skin contact**

Remove contaminated clothing immediately. Wash immediately with plenty of soap and water. If irritation persists, call a doctor. Rinse

**Eye contact**

immediately and thoroughly with water, also under the eyelids, for at least 15 minutes. Immediate medical examination is required.

**Ingestion**

Do not induce vomiting. Rinse mouth thoroughly. Call a doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

symptom

Sensitization, allergic behavior

**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment

There is no known specific antidote. Treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES 5.1****Extinguishing media:**

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Corresponding	Water spray, Dry powder, Sand, Alcohol-resistant foam, Carbon dioxide
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POOR	Powerful water jet
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**5.2 Special hazards arising from the substance or mixture itself**

Specific hazards during firefighting Toxic gases may be released.

**5.3 Recommendations for firefighters**

Special protective equipment for firefighters - Wear full protective equipment.

protection and self-contained breathing apparatus

Additional Information	Contaminated extinguishing water should not enter drains or waterways. Fight fire upwind. Cool closed containers near fire sources with water spray.
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**SECTION 6: ACCIDENTAL RELEASE MEASURES 6.1 Personal precautions, protective equipment and emergency procedures**

Provisional measures	Use personal protective equipment. Avoid contact with spilled product or contaminated surfaces. Ensure adequate ventilation. Evacuate personnel to safe areas.
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**6.2 Environmental precautions**

Do not discharge into surface water or sewage systems. Use the product according to the instructions on the label.

**6.3 Methods and material for fire containment and cleaning up**

Cleaning methods	Absorb with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Collect and store the product in a tightly closed and leakproof container. Clean the contaminated surface carefully. Conserve and dispose of contaminated wash water. Never put spilled product back into the container for reuse.
Additional remarks	

**6.4 Reference to other sections**

Information on safe handling, see section 7. Information on personal protective equipment, see section 8. Information on waste disposal, see section 13.

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**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

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### Safe handling tips

- No special precautions are required when handling closed packages/containers; general rules regarding packaging handling will be followed.

### Fire and explosion protection measures

- No special precautions required

**Hygiene measures** Remove used personal protective equipment (PPE) immediately after handling this product. Remove contaminated clothing immediately and clean thoroughly before reuse. Always wash hands thoroughly with soap and water before and after eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics.

## **7.2 Conditions for safe storage, including any incompatibilities**

### Requirements for storage spaces and containers

- Store in a dry, cool and well-ventilated place accessible only to authorized personnel. Avoid direct sunlight and protect from frost.

### Protective measures in case of joint storage with other materials

- Keep away from food, drink and animal feed. Storage stability

- Storage temperature 5°C-25°C

## **7.3 Specific end use(s)**

The indications on the label and those in the instructions will be followed.

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## **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION 8.1**

### **Control parameters**

It does not contain substances with occupational exposure limit values.

## **8.2 Exposure controls Personal**

### **protective equipment** Respiratory

#### protection

Under anticipated exposure conditions, no personal respiratory equipment is required. Respiratory protection should be worn for short-term exposures to avoid any secondary risks, after all measures to reduce exposure at source have been taken, e.g. isolation and/or exhaust ventilation. Always follow the manufacturer's instructions for use and maintenance of respiratory equipment. Wear a

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	particle filter mask (protection factor 20) according to EN149FFP3 or EN140P3 or equivalent.
Hand protection	Suitable gloves, chemically resistant (EN 374) and resistant to prolonged contact (Recommended: protection index 6, corresponding to > 480 minutes breakthrough time, according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and others.
Eye protection	Safety glasses with side shields (EN 166)
Skin and body protection	Body protection must be chosen according to the activity and possible exposure. For example: apron, safety boots, protective overalls (according to EN 14605 for splashes or EN ISO 13982 for dust).
Hygiene measures	Remove and wash contaminated clothing and gloves, including the inside, before reuse. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using.
Protective measures:	Long-sleeved work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

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**SECTION 9:****PHYSICAL AND CHEMICAL PROPERTIES:****9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	liquid
<b>Color</b>	olive green
<b>Smell</b>	specific
<b>Odor Acceptance Threshold</b>	No data
<b>PH</b>	6-8
<b>Melting point/boiling range</b>	No data
<b>Boiling point/boiling range</b>	No data
<b>Flash point</b>	No data
<b>Autoignition temperature</b>	No data

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<b>FLASH</b>	No data
<b>Lower explosion limit</b>	No data
<b>Upper explosion limit</b>	No data
<b>Vapour pressure</b>	No data
<b>Relative vapor density</b>	No data
<b>Relative density</b>	No data
<b>Density</b> (20oC)	1.15± 0.1
<b>Solubility in water</b>	Soluble
<b>Partition coefficient n-octanol/water</b>	No data
<b>Dynamic viscosity</b>	No data
<b>Kinematic viscosity</b>	No data
<b>Particle characteristics</b>	No data
<b>Oxidizing properties</b>	No data
<b>Explosivity</b>	It is not explosive.
<b>Evaporation rate</b>	No data
<b>9.2 Other information</b>	No other data available

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**SECTION 10: STABILITY AND REACTIVITY 10.1 Reactivity**

The product is stable under normal use/handling and storage conditions.

**10.2 Chemical stability**

Stable under recommended storage and use conditions

**10.3 Possibility of hazardous reactions** No data

**10.4 Conditions to avoid**

Protection from extreme temperatures and direct sunlight

**10.5 Incompatible materials** Unknown

**10.6 Hazardous decomposition products**

No hazardous decomposition products are known

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **11.1 Toxicological information**

**Acute oral toxicity: Acute** No data

**inhalation toxicity Acute** Not the case

**dermal toxicity Skin** No data

**corrosion/irritation Serious** Does not irritate the skin

**eye damage/irritation** Does not irritate the eyes

**Respiratory or skin sensitization** It is not sensitizing. **STOT -**

**Specific target organ toxicity - single exposure**

No data

**STOT - Specific target organ toxicity - single exposure**

No data

**Mutagenicity assessment** Test not required for microorganisms

**Carcinogenicity assessment** Test not required for microorganisms

**Reproductive toxicity assessment** Test not required for microorganisms

**Developmental toxicity assessment** Test not required for microorganisms No

**Aspiration hazard** data available

#### **11.2 Information on other hazards Endocrine disrupting property**

No data

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### **SECTION 12:**

### **ECOLOGICAL INFORMATION 12.1 Toxicity**

- Toxicity to fish (acute) No data

- Toxicity to fish (chronic) No data

- Toxicity to daphnia No data

- Toxicity to algae/aquatic plants No data

#### **12.2 Persistence and degradability**

**Biodegradation** Not relevant for microorganisms

#### **12.3 Bioaccumulative potential**

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<b>Bioaccumulation</b>	Not relevant for microorganisms No
<b>12.4 Mobility in soil</b>	data available
<b>12.5 Result of PBT and vPvB assessments</b>	This mixture does not contain any substance considered to be persistent, bioaccumulative and toxic (PBT).
<b>12.6 Endocrine disrupting properties</b>	No data
<b>12.7 Other adverse effects</b>	No data

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**SECTION****13: DISPOSAL CONSIDERATIONS 13.1 Waste treatment methods**

<b>Product:</b>	Do not contaminate ponds, waterways or ditches with the product or used containers. Do not dispose of waste into drains. Where possible, recycling is preferred to disposal or incineration. If recycling is not possible, dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty the remaining contents. Containers should be rinsed 3 times. Empty containers should be taken to an authorized waste handling facility for recycling and disposal.
<b>Waste code</b>	uncleaned packaging  15.01.10 packaging containing residues of hazardous substances or contaminated with hazardous substances

**Legislation:**

- Emergency Ordinance 92/2021 regarding the waste regime
- Government Decision 856/2002 on waste management records and for the approval of the list of waste, including hazardous waste
- Law 249/2015 on the management of packaging and packaging waste

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**SECTION****14: TRANSPORT INFORMATION****According to ADN/ADR/RID/IATA this product is not classified as dangerous****14.1 – 14.5**Not applicable**14.6 Special precautions for users** No data**14.7 Bulk maritime transport in accordance with IMO instruments**



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Not applicable for products such as the one supplied

### **SECTION 15:**

#### **REGULATORY INFORMATION**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV): Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals does not apply : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

##### **15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance.

### **SECTION**

#### **16: OTHER INFORMATION**

##### **Full text of H-statements Full**

##### **text of other abbreviations**

DNA	DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the inland transport of dangerous goods
ADR	European Agreement concerning the International Carriage of Dangerous Goods by
CAS-No.	Road CAS Registry Number (Chemical Abstracts Service)
Conc.	Concentration EC-No. European Community Number
ECx	Effective concentration for x%
EINECS	European Inventory of Existing Chemical Substances Placed on the Market
ELINCS	European List of Notified Chemical Substances
EN	European Standards

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ETA	Acute toxicity assessment EU European Union
BEHOLD	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibitory concentration for x% IMDG International Maritime Dangerous Goods
LCx	Lethal concentration for x%
LDx	Lethal dose for x%
LOEC/LOEL	Minimally observable effect dose
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships NOS Not otherwise specified
NOEC/NOEL	No Observed Effect Concentration/Dose Organization for
EMCDDA	Economic Co-operation and Development World Health
WHO	Organization
WRINKLE	Regulations concerning the International Carriage of Dangerous Goods by Road
TWA	Time Weighted Average UN United Nations

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*This Safety Data Sheet is prepared in accordance with Regulation (EC) No 1907/2006.  
of the European Parliament and of the Council on the registration, evaluation, authorisation and  
restriction of chemicals (REACH)*