

## SAFETY DATA SHEET

### 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### *Identification of the substance/mixture:*

Name: Zinc Sulphate Solution 33%  
Product code: LMB-03  
Abbreviation: SZ  
Use: Solution designed to concentrate eggs of intestinal helminths and protozoa in stool specimens.

#### *Company/undertaking identification:*

Name: EnviroLab s.r.o.  
Address: Galvaniho 7, 821 04 Bratislava  
Phone: +421-2-69 307 112 Fax: +421-2-64 774 131  
Place of business: Obchodná ulica 7, 946 51 Nesvady  
Phone: +421-35-790 29 11

#### *Emergency line:*

Organization: National Toxicological Information Center, Limbová 5, 833 05 Bratislava  
Phone: +421-2-54 774 166

### 2 – HAZARD IDENTIFICATION

#### Classification of the substance or mixture

Acute aquatic toxicity (Category 1)  
Chronic aquatic toxicity (Category 1)  
Acute toxicity, Oral (Category 4)  
Serious eye damage (Category 1)  
Acute aquatic toxicity (Category 1)

For the full text of the H-statements specified in this section, see Section 16.

#### Label elements:

Pictogram



Signal word: Danger

#### Hazard statement:

H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H410 Very toxic to aquatic organisms, with long-lasting effects.

#### Precautionary statement(s)

P273 Avoid release to the environment.  
P290 Wear protective gloves / eye protection / face protection.  
P305 + P351 + P338 FOLLOWING EYE CONTACT: Gently rinse eyes with water for a few minutes. Remove contact lenses, if possible. Continue rinsing.  
P501 Dispose of the contents/container in an approved waste disposal facility.

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### 3 – COMPOSITION/INFORMATION ON INGREDIENTS

#### Dangerous ingredients:

INDEX	CAS	EC	Name	Classification	%
030-006-00-9	7446-20-0	231-793-3	Zinc sulfate heptahydrate	Eye Dam. 1, H302 Skin Sens. 1, H318 Aquatic Chronic 1, H410	33

For the full text of the H-statements specified in this section, see Section 16.

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### 4 – FIRST AID MEASURES

#### Following inhalation:

Move the victim to fresh air.

#### Following eye contact:

Rinse the eyes with eyelids open under running water for a few minutes. If necessary, call an ophthalmologist.

#### Following skin contact:

Wash the affected areas with plenty of water. Remove contaminated clothing.

#### Following ingestion:

Let the victim drink water (no more than two glasses). Consult a physician.

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### 5 – FIRE-FIGHTING MEASURES

#### Suitable extinguishing media:

To extinguish use a snow, foam, water or powder fire extinguisher, depending on the materials stored in the immediate vicinity.

#### Specific hazards during fire fighting:

Nonflammable.

Surrounding fire can release dangerous vapors. Fire can cause generation of sulfur oxides.

#### Special protective equipment for firefighters and firefighting unit equipment:

Do not stay in a hazardous area without an insulating respirator. To avoid contact with the skin, observe a safe distance and wear suitable protective clothing.

#### Additional information:

Avoid contamination of the surface or groundwater system with water used for fire extinguishing.

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### 6 – ACCIDENTAL RELEASE MEASURES

#### Personal precautions:

Avoid contact with the substance. Do not inhale fumes / aerosols. Provide fresh air supply in confined spaces.

#### Environmental precautions:

Avoid penetration into the drainage system.

#### Cleaning methods:

Remove with absorbent material. Send for disposal. Clean the affected area.

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### 7 – HANDLING AND STORAGE Handling:

Carefully read the safety information.

Work with the suction chamber. Do not inhale the substance.

**Storage:**

Store tightly closed in a well ventilated place. Store at 2 – 8 °C.

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## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Does not contain any substances with occupational exposure limit values.

**Personal protective equipment:**

For a specific workplace, it is necessary to choose specific work clothes, depending on the concentration and amount of dangerous substances being handled. The resistance of chemical protective clothing must be checked with the supplier concerned.

**Hand protection:**

Use disposable vinyl gloves.

**Eye protection:**

Use tightly fitting safety goggles.

**Respiratory protection:**

Required if vapors / aerosols are formed.

**General hygiene:**

Immediately replace contaminated clothing. Use a lotion as a protective barrier. After work, wash your hands and face. Work with the suction chamber. Do not inhale the substance.

For more detailed information, see Section 11 – Toxicological Information

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## 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Basic information:**

Physical state:	liquid
Color:	colorless
Odor:	odorless
pH value:	approx. 4 - 6
Boiling point / distillation range:	100 °C

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## 10 – STABILITY AND REACTIVITY

**Conditions to be avoided:**

No information available.

**Substances to be avoided:**

Strong oxidizing agents. Water-reactive substances.

**Hazardous decomposition products:**

In the event of fire, the following may develop: Sulfur oxides.

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## 11 – TOXICOLOGICAL INFORMATION

**Acute toxicity:**

*ATE*

LD<sub>50</sub> rat oral                      Dose: > 2000 mg/kg Symptoms: irritation of mucous membranes, cough and shortness of breath, absorption

*Skin irritation:* Slight irritation

*Eye irritation:* Causes serious eye damage.

**Additional information:**

Other dangerous properties cannot be excluded.

The product should be handled with caution usual for chemicals handling.

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**8 – ECOLOGICAL INFORMATION**

**Ecotoxic effects:**

*Fish toxicity*

LC50

Species: *Oncorhynchus mykiss* (rainbow trout)

Dose: 3.03 mg/l

Exposure time: 96 hrs

*Toxicity to algae*

Species: *Scenedesmus quadricauda* (green algae)

Dose: 1.58 mg/l

Exposure time: 5 d

**Other ecological data:**

Biological effects: Bactericidal effect (external safety data sheet)

Avoid penetration into water, sewage and soil!

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**9 – DISPOSAL MEASURES**

**Product:**

The product is hazardous waste and must be disposed of in accordance with valid legislation.

**Packaging:**

The product packaging must be disposed of in accordance with applicable legislation.

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**10 – TRANSPORT INFORMATION**

**Land transport: ADR, RID**

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 9, III

**River transport: ADN, ADNR**

not tested

**Maritime transport: IMDG-Code**

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**Air transport: CAO, PAX**

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The transport regulations are cited in accordance with international regulations and are in a form applicable in the Slovak Republic. Possible national variations in individual countries are not considered.

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**11 – REGULATORY INFORMATION**

## 12 – OTHER INFORMATION

Full text of H-data used in the Safety Data Sheet:

- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H410 Very toxic to aquatic organisms with long-lasting effects.

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*The information provided in this Safety Data Sheet is based on the current state of our knowledge.  
It characterizes the product with respect to the adequate safety precautions. It does not represent any guarantee of the product's  
properties.*