

SAFETY DATA SHEET

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

Identification of the substance/mixture:

Name: Buffer Solution according to Kozak and Magrova
Product code: LMB-08
Abbreviation: RKM 1000
Use: The solution used in the examination of helminths presence in stool.

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 toxicity, Oral (Category 4), H302
Serious eye damage (Category 1), H318
Acute ecotoxicity (Category 1), H400
Chronic ecotoxicity (Category 1), H410

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.
H400 Very toxic to aquatic organisms.
H410 Very toxic to aquatic organisms with long-lasting effects.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Avoid inhaling dust/smoke/gas/mist/vapor/aerosols.
P270 Wear protective gloves / eye protection / face protection.
P273 Avoid release to the environment.
P305 + P351 + P338 FOLLOWING EYE CONTACT: Gently rinse eyes with water for a few minutes. Remove contact lenses, if possible. Continue rinsing.
P310 Call the NATIONAL TOXICOLOGY CENTER or a doctor immediately.
P301 + P314 FOLLOWING INGESTION: In the event of health problems, seek medical advice/care.
P391 Collect the released product.
P501 Dispose of contents/container in accordance with applicable regulations.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components:

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 Acute 1, H400 Aquatic Chronic 1, H410	15

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

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.

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.

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.

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.

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

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

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.

11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

ATE

LD₅₀ 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.

12 – ECOLOGICAL INFORMATION

Ecotoxic effects:

Quantitative data on the toxicity of this product are not available.

Other ecological data:

Biological effects: Bactericidal effect (external safety data sheet) Avoid penetration into water, sewage and soil!

13 – 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.

14 – TRANSPORT INFORMATION

Land transport: ADR, RID

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 9, III

River transport: ADN, ADNR

not tested

Maritime transport: IMDG-Code

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 9, III

Air transport: CAO, PAX

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 9, III

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.

15 – REGULATORY INFORMATION

16 – OTHER INFORMATION

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

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H400	Very toxic to aquatic organisms
H410	Very toxic to aquatic organisms with long-lasting effects.

*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.*