
SAFETY DATA SHEET

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

Identification of the substance/mixture:

Name: Potassium Nitrate 20%
Product code: LMB-11
Abbreviation: KNO₃
Use: Solution for the preparation of disks to monitor the assimilation properties of the yeast (source of nitrogen).

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

Oxidizing liquid, H272

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

Label elements:

Pictogram



Signal word: Warning

Hazard statements:

H272 May contribute to the development of fire; oxidizing agent.

Precautionary statement(s)

P210	Keep away from heat / sparks / open flame. Do not smoke.
P220	Keep away from flammable materials.
P221	Adopt measures to prevent mixing with flammable materials.
P280	Wear protective gloves, protective clothing, safety glasses.
P370+P378	In the event of a fire, use a foam or snow fire extinguisher.
P501	To extinguish use a snow, foam, water or powder fire extinguisher, depending on the materials stored in the immediate vicinity.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components:

The product does not contain any components classified as dangerous according to European Union directives.

Other hazard-presenting components:

INDEX	CAS	EC	Name	Classification:	%
	7757-79-1	231-818-8	Potassium nitrat	H272	20

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 nitrogen 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.

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. 6 - 8
Boiling point / distillation range:	100 °C

10 – STABILITY AND REACTIVITY

Conditions to be avoided:

No information available.

Substances to be avoided:

Water-reactive substances.

Hazardous decomposition products:

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

11 – TOXICOLOGICAL INFORMATION

Acute toxicity:

Quantitative data on the toxicological properties of this product are not available.

Additional toxicological data:

Properties to be assumed based on data on the components:

May irritate the skin, eyes, mucous membranes and upper respiratory tract; may cause allergic skin reactions.

Additional information:

Other dangerous properties cannot be excluded.

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

12 – ECOLOGICAL INFORMATION

Other ecological data:

No ecological problems are to be expected, if the product is handled and used with due care and attention.
Prevent penetration into water, sewage and soil!

13 – DISPOSAL MEASURES

Product:

The product is not 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

Not subject to transport regulations.

15 – REGULATORY INFORMATION

16 – OTHER INFORMATION

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

H272 May contribute to the development of fire; oxidizing agent.

*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.*