

## **SAFETY DATA SHEET**

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

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

Name: Phenol Saline Solution 0.5%  
Product code: LMB-06  
Abbreviation: FRF  
Use: Diluent used in serological agglutination reactions.

#### *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

Mutagenicity (Category 2), H341

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

#### Label elements:

Pictogram



Signal word: Warning

#### Hazard statement:

H341 Suspected of causing genetic defects.

#### Precautionary statement(s)

P201 Read specific instructions before use.  
P202 Do not use before you read and understand all safety precautions.  
P281 Use the prescribed personal protective equipment.  
P308 + P313 After exposure or suspected exposure seek medical advice/care.  
P405 Keep locked up.  
P501 Dispose of the packaging as hazardous waste in accordance with applicable regulations.

### 3 – COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components:

INDEX	CAS	EC	Name	Classification	%
604-001-00-2	108-95-2	203-632-7	Phenol	Muta. 2, H341 Acute Tox. 3, H331	0.5

Acute Tox. 3, H311  
Acute Tox. 3, H301  
STOT Rep. 2, H373  
Skin Corr. 1B, H314

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 a doctor.

##### 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:

In the event of fire, hazardous vapors or fumes may develop.

##### 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:

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

### Exposure limits:

Components with parameters subject to inspection at the workplace.

Nature	Value	Inspection parameters	Limiting value, Remarks
phenol (108-95-2) ECTLV	Effects upon skin contact:		The factor can be easily absorbed by the skin
	Average maximum permissible exposure limit (MPEL average):	2 ppm 7,8 mg/m <sup>3</sup>	
SLK OELs	Effects upon skin contact:		The factor can be easily absorbed by the skin
	Average maximum permissible exposure limit (MPEL average):	2 ppm 7,8 mg/m <sup>3</sup>	

### 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:	mild phenolic not
pH value:	specified

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## 10 – STABILITY AND REACTIVITY

### Conditions to be avoided:

Heating.

### Substances to be avoided:

No information available.

### Hazardous decomposition products:

No information available.

## 11 – TOXICOLOGICAL INFORMATION

### Acute toxicity:

Quantitative data on the toxicity of this product are not available

### Subacute to chronic toxicity:

Applicable to partial component:

Possible mutagenic effect on humans. Suspicion is based on proven damage to genetic material in germ cells of humans and animals, with further clarification needed (external safety data sheet).

### Additional toxicological data:

Property to be expected based on the components of the product:

Following inhalation: irritation of mucous membranes, cough and shortness of breath, absorption.

Following skin contact: danger of skin absorption.

Following absorption of the toxic amount:

Systemic effects: cough, shortness of breath, headache, drowsiness, dizziness, confusion, unconsciousness, respiratory arrest, CNS disorders, cardiovascular disorders, changes in blood count.

Damage: liver, kidneys, heart.

Possible irreversible damage.

### Additional information:

Other dangerous properties cannot be excluded.

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

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## 12 – ECOLOGICAL INFORMATION

### Ecotoxic effects:

Quantitative data on the ecological effects of this product are not available.

### Other ecological data:

Prevent penetration into water, sewage and soil!

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## 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.

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## 14 – TRANSPORT INFORMATION

Not assessed as dangerous under transport regulations.

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## 15 – REGULATORY INFORMATION

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## 16 – OTHER INFORMATION

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

H341 Suspected of causing genetic defects.

H311	Toxic in contact with skin.
H301	Toxic if swallowed.
H373	May cause organ damage in case of prolonged or repeated exposure.
H314	Causes serious skin burns and eye damage.

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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.*