

Effective date: <b>12-07-2021</b>	Hy-Labs Cat. No: <u>TT-373</u>	<b>MSDS FORMAT</b>	<b>hylabs</b> <sup>®</sup>
Doc. No: <b>MSDS-TT-373</b>		<b>MATERIAL SAFETY DATA SHEET</b>	

### 1- Product and Company Identification

Product Name	<b>PHOSPHATE BUFFER PH 6.8, 35ML</b>
Reference number	<b>TT373</b>
Manufacturer	<b>Hy-Laboratories Ltd.</b> Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474

### 2- Composition, Information on Ingredients

<u>Ingredients Name</u>	<u>Cas #</u>
di-Sodium hydrogen phosphate dihydrate	10028-24-7
di-Potassium hydrogen phosphate anhydrous	7758-11-4

### 3- Hazard Specifications

Pictogram	Not applicable.
Signal word	Not applicable.
Risk phrases	Not applicable.
Safety phrases	Not a hazardous substance or mixture according to regulation.

### 4- First Aid Measures

General advice	Not applicable.
Skin	Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Eyes	Rinse out with plenty of water. Remove contact lenses.
Inhalation	Supply fresh air.
Ingestion	Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### 5- Fire Fighting Measures

Extinguishing Media	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire.
Protective equipment	In the event of fire, wear self-contained breathing apparatus.

### 6- Accidental Release Measures

Person related safty precautions	Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures and consult an expert.
Measures for cleaning/collectiong	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### 7- Handling and Storage

Handling	Tightly closed. Dry.
Storage	15-25°.

### 8- Exposure Controls, Personal Protection

General protective and hygiene measures	No data available.
Personal Protective Equipment	Eyes - Safety glasses. Hand protection - protective gloves (Nitrile rubber).

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	Respiratory protection - Filter type: Filter P1. Required when dusts are generated.
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### 9- Physical and Chemical Properties

<b>Form</b>	Liquid.
<b>Color</b>	Clear.

### 10- Stability and Reactivity

<b>Stability</b>	The product is chemically stable under standard ambient conditions (room temperature).
<b>Incompatible materials</b>	Exothermic reaction with: Strong acids, antipyrine, acetates.
<b>Hazardous decomposition products</b>	Oxides of phosphorus, Sodium oxides. Not combustible. Fire may cause evolution of: Oxides of phosphorus. Ambient fire may liberate hazardous vapours.

### 11- Toxicological Information

<b>Potential health effects</b>	LD50 Oral - Rat - female - > 2.000 mg/kg LC50 Inhalation - Rat - male and female - 4 h - > 0,83 mg/l LD50 Dermal - Rat - male and female - > 2.000 mg/kg
<b>Additional Information</b>	After uptake of large quantities: Nausea, Vomiting, gastric pain, Diarrhea, Discomfort.

### 12- Ecological Information

<b>Toxicity</b>	LC50 (semi-static test)- Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h. EC50 (static test) - Daphnia magna (Water flea) - > 100 mg/l - 48 h. ErC50 (static test) - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h. EC50 (static test) - activated sludge - > 1.000 mg/l - 3 h.
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### 13- Disposal Information

<b>Disposal Information</b>	No data available.
<b>Disposal packaging</b>	No data available.

### 14- Transport Information

Not classified as dangerous in the meaning of transport regulations.

### 15- Regulatory Information

<b>Safety Phrases</b>	No data available.
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### 16- Other Information

**For In-Vitro use only.**  
**The information in this MSDS is based on current and reliable sources but does not purport to be all inclusive and shall be used only as a guide.**