

## I. Product and Company Identification

**Identity:** Phosphate Buffered Saline with 0.02% Sodium Azide  
**Item Number:** 11001 & 11002  
**Manufacturer:** Syringa Lab Supplies LLC  
**Address:** 700 W. Diamond St., Boise, ID 83705 USA  
**Emergency Phone:** (208) 345-3400  
**Fax:** (208) 559-6769      **Email:** info@syringals.com

## II. Chemical Composition / Hazardous Information

Hazardous Ingredients:	CAS Number	%	Air Exposure Limits
Deionized Water	7732-18-5	~99%	None Listed
Sodium Chloride	7647-14-5	~0.80%	None Listed
Sodium Phosphate, dibasic	7558-79-4	~0.12%	None Listed
Potassium Chloride	7447-40-7	~0.02%	None Listed
Potassium Phosphate, monobasic	7778-77-0	~0.02%	None Listed
Sodium Phosphate, monobasic	7558-80-7	~0.01%	None Listed
Sodium Azide	26628-22-8	0.02%	ACGIH (C) 0.11 ppm

## III. Physical / Chemical Characteristics

**Appearance and Odor:** Colorless, odorless solution  
**Melting Point:** ~0°C  
**Boiling Point:** ~100°C  
**Solubility in Water:** Soluble  
**Specific Gravity:** 1  
**% Volatile by Volume:** 100  
**Vapor Pressure:** N/A  
**Vapor Density:** N/A

## IV. Fire and Explosion Hazard Data

**Flash Point:** N/A  
**Flammability Limits:** N/A  
**Unusual Fires / Explosions:** N/A  
**Extinguishing Media:** Use any media necessary to extinguish surrounding fire.  
**Special Firefighting Procedures:** Full protective equipment needed.

## V. Reactivity Data

**Stability:** Stable

**Conditions to Avoid:** Dust generation, excess heat

**Incompatibility (Materials to Avoid):** Potassium chloride is incompatible with potassium permanganate, Sodium chloride is incompatible with dichloromaleic anhydride + urea, lithium, and nitrogen compounds. Potassium phosphate dibasic and monobasic may react violently with strong acids.

**Hazardous Decomposition Products:** Oxides of phosphorous and potassium, and sodium oxides

**Hazardous Polymerization:** Will not occur

## VI. Health Hazard Data

**Health Hazards:** May cause skin and eye irritation, gastrointestinal discomfort, respiratory irritation

**Eyes:** In case of contact with eyes, rinse immediately and seek medical advice

**Skin:** After contact with skin, rinse immediately with water

**Ingestion:** If conscious, drink water and induce vomiting. Immediately call for medical care or the poison control center. If unconscious, do not give victim water.

**Inhalation:** Move to a place of fresh air and keep at rest

**Chronic:** Sodium azide can be extremely harmful and over exposure can cause headache, nausea, and death in extreme cases.

**Emergency Overview:** Seek medical advice if inhaled or swallowed

## VII. Precautions for Safe Handling and Use

**In case of spill or leak:** Evacuate all non-essential personnel from area and ventilate. Eliminate all sources of ignition. Absorb all liquid and dispose in trash.

**Waste disposal method:** In accordance with all Federal, State, and Local regulations. Can be disposed down the drain with excess water.

**Precautions to take during handling or storing:** Keep container well-sealed in a well-ventilated space. Make sure to handle Sodium azide with care, using gloves and proper storing.

## VIII. Control Measures

**Respiratory Protection:** Not needed in area with adequate ventilation

**Ventilation -** Local Exhaust: Yes Mechanical: Yes Special / Other: No

**Protective Gloves:** Rubber, Neoprene, PVC or equivalent are recommended

**Eye Protection:** Splash proof laboratory safety goggles are recommended

**Protective Clothing / Equipment:** Lab coat or apron, eye wash station, and safety shower recommended in case of an emergency. Gloves needed when handling Sodium azide

## IX. Additional Information

### Glossary:

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CAS Number:** Chemical Abstracts Service

**ppm:** parts per million

**N/A:** Not Applicable