

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name : Sodium Phosphates Injection USP, 3 mM P/mL and 4 mEq Na⁺ /mL -5 mL, 15 mL and 50 mL

Chemical Family : Phosphates

Synonyms : NaH₂PO₄ · H₂O and Na₂HPO₄ · 7 H₂O

Manufacturer or supplier's details

Details of the Supplier of the Safety Data Sheet : Caplin Steriles Limited, Survey No. 895 & 897, Guruvarajakandigai, Sirupuzhalpettai (Post), Gummidipoondi (Taluk), Thiruvallur (District), Pin Code: 601 201, Tamil Nadu (State), INDIA.

Emergency Telephone Number : +91-4467901901/02/03

Recommended use of the chemical and restrictions on use

Recommended use : Sodium Phosphates Injection, USP, 3 mM P/mL is indicated as a source of phosphorus, for addition to large volume intravenous fluids, to prevent or correct hypophosphatemia in patients with restricted or no oral intake. • Partial-onset seizures

It is also useful as an additive for preparing specific parenteral fluid formulas when the needs of the patient cannot be met by standard electrolyte or nutrient solutions.

The concomitant amount of sodium (Na⁺ 4 mEq/mL) must be calculated into total electrolyte dose of such prepared solutions.

Restrictions on use : Not applicable

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

Hazard statements : H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

Precautionary statements

: P261 - Avoid breathing vapors, mist, or spray.

	:	P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
	:	P271 - Use only outdoors or in a well-ventilated area.
	:	P280 - Wear protective gloves, protective clothing, and eye protection.
	:	P302+P352 - If on skin: Wash with plenty of water.
	:	P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
	:	P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	:	P312 - Call a poison center or doctor if you feel unwell.
	:	P332+P313 - If skin irritation occurs: Get medical advice/attention
	:	P337+P313 - If eye irritation persists: Get medical advice/attention.
	:	P362+P364 - Take off contaminated clothing and wash it before reuse.
	:	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
	:	P405 - Store locked up.
	:	P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.
Storage	:	Store at 20°C to 25°C (68°F to 77°F) [see USP Controlled Room Temperature].
Other Hazards	:	No data available

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration (mg/mL)
Sodium phosphate, monobasic	10049-21-5	276.00
Sodium phosphate, dibasic	7558-79-4	268.00
Water for Injection	7732-18-5	q.s to 1 mL

q.s – quantity sufficient

SECTION 4 : FIRST AID MEASURES

Eye	:	Flush eye(s) immediately with plenty of water. If irritation occurs or persists, get medical attention.
Skin	:	Wash skin with soap and water. If skin irritation persists, call a physician

Ingestion : Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

Inhalation : Move to fresh air. If discomfort persists, get medical attention.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

Notes to Physician : None

SECTION 5 :FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media : Use extinguishing media appropriate for surrounding fire

Unsuitable Extinguishing Media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special hazards arising from the substance or mixture

Fire Hazards : Not considered flammable but may burn at high temperatures.

Explosive Hazard : Not an explosive

Reactivity : Hazardous reactions will not occur under normal conditions.

Advice for firefighters

Precautionary measures in case of fire : Exercise caution when fighting any chemical fire

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection of Firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6 :ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Measures : Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

For non-emergency personnel

Personal Protective Equipment : Use personal protective equipment as required

Emergency Procedures : Evacuate unnecessary personnel.

For Emergency responders

Personal Protective Equipment:	: Equip cleanup crew with proper protection.
Emergency Procedures	: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.
Environmental Precautions	: Prevent entry to sewers and public waters. Avoid release to the environment.
Methods and material for containment and cleaning up	
Methods for containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Clean up spills immediately and dispose of waste safely. Any vacuum used for clean-up must be equipped with high-efficiency (HEPA) filter. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

SECTION 7 : HANDLING AND STORAGE

Precautions of safe handling

Patients/ Consumers	: Patients should adhere to the instructions provided within the product information insert or product label for appropriate consumer-specific information about this product when used according to the physician's directions
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Conditions for safe storage, including any incompatibilities

Storage	: Store at 20° to 25°C (68° to 77°F)[see USP Controlled Room Temperature].
Specific end use	: Pharmaceutical. Use only as directed. Refer to product insert for usage instructions and product information

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Control Parameters

Exposure Limits/ Guidelines	: No information available
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Exposure controls

Appropriate engineering controls	: Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes
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Personal Protective Equipment

Respiratory	: Use appropriate respiratory protection
Eye/Face	: Wear safety glasses or goggles if eye contact is possible. (Eye protection must meet the standards in accordance with EN166, ANSI Z87.1 or international equivalent.)
Skin/Body	: Impervious disposable protective clothing is recommended if skin contact with drug product is possible and for bulk processing

		operations. (Protective clothing must meet the standards in accordance with EN13982, ANSI 103 or international equivalent.)
Hands	:	Impervious gloves (e.g. Nitrile, etc.) are recommended if skin contact with drug product is possible and for bulk processing operations. (Protective gloves must meet the standards in accordance with EN374, ASTM F1001 or international equivalent.)
Respiratory	:	Under normal conditions of use, if the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL (e.g. particulate respirator with a half mask, P3 filter). (Respirators must meet the standards in accordance with EN140, EN143, ASTM F2704-10 or international equivalent.)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Material Description

Physical form	:	Liquid
Color	:	Colorless
Odor Threshold	:	No data available
Appearance/Description	:	Clear colorless solution
Odor	:	No data available.

General Properties

Boiling Point	:	No data available
Melting Point	:	Not relevant
pH	:	Between 5.0 and 6.0
Density	:	1.210 to 1.338 g/mL
Viscosity	:	No data available
Specific Gravity/	:	No data available
Relative Density	:	
Water solubility	:	No data available
Decomposition Temperature	:	No data available

Volatility

Vapor Pressure	:	Not relevant
Vapor Density	:	Not relevant
Evaporation Rate	:	No data available

Flammability

Flash Point	:	Not relevant
UEL	:	Not relevant
LEL	:	Not relevant
Autoignition	:	Not relevant
Environmental	:	
Octanol/Water Partition coefficient	:	No data available

SECTION 10 : Stability and Reactivity

Reactivity	:	No data available
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	None under normal processing.
Conditions to avoid	:	Not known
Incompatible materials	:	Not known
Hazardous decomposition products	:	Thermal decomposition products include Oxides of phosphorus

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

General Information:	:	This product is composed of non-hazardous ingredients This product contains aluminum that may be toxic. Aluminum
Known Clinical Effects:	:	may reach toxic levels with prolonged parenteral administration if kidney function is impaired.
Carcinogen Status:	:	None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity	:	No data available
Biodegradation	:	No data available
Bioaccumulation	:	No data available
Mobility in soil	:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

SECTION 14 : TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

SECTION 15: REGULATORY INFORMATION

Below is selected regulatory information chosen primarily for possible Caplin use. This section is not a complete analysis or reference to all applicable regulatory information. Please consider all applicable laws and regulations for your city/state/country.

U.S. Regulations:

TSCA – No

CERCLA-No

SARA 302 – No

SARA 311/312 – No

SARA 313 – No

OSHA - No

SECTION 16: ADDITIONAL INFORMATION

SDS creation date : Oct 21, 2025

SDS Revision date : NA

Version # : 00

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

---End of Safety Data Sheet---