

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name : Potassium Phosphates Injection USP, Phosphorus 3 mmol/mL and Potassium 4.4 mEq/mL -5 mL, 15 mL and 50 mL

Chemical Family : Phosphates

Synonyms : KH_2PO_4 and K_2HPO_4

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 : Pharmaceutical product used as electrolyte replacement

Restrictions on use : Not applicable

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS - Classification : Not classified as hazardous

Signal word (GHS-US) : Not Applicable

Label elements

Hazard statements : Not Applicable

Precautionary statements : Not Applicable

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration (mg/mL)
Monobasic potassium phosphate	7778-77-0	224 mg/mL
Dibasic Potassium Phosphate	7758-11-4	236 mg/mL
Water for injection	7732-18-5	Quantity sufficient

q.s – quantity sufficient



SECTION 4 : FIRST AID MEASURES

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

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media	As for primary cause of fire
Suitable Extinguishing Media	: Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving the material. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	: No data available

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personnel Precautions	:	Personnel involved in clean-up should wear appropriate personal protective equipment. Minimize exposure.
Environmental Precautions	:	Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and material for containment and cleaning up

Measures for Cleaning / Collecting	:	Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.
Additional Consideration for Large Spills	:	Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

SECTION 7 : HANDLING AND STORAGE

Precautions of safe handling : Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment. Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

Conditions for safe storage, including any incompatibilities

Storage : Store as directed by product packaging.

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

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.

Personal Protective Equipment

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.)

Eye : 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 : 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.)



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 6.0 to 7.0
Density	: 1.244 to 1.376 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
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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	: No data available
Incompatible materials	: No data available
Hazardous decomposition products	: Thermal decomposition products include Oxides of phosphorus.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity : Eye, skin and respiratory irritation may occur

Acute Effects : Eye, skin and respiratory irritation may occur

Chronic effects : None known

Monobasic potassium phosphate :

R TECS number : TC6615500

Skin : Administration onto the skin – Rabbit LD50 : >4640 mg/kg
[Details of toxic effects not reported other than lethal dose value]

Dibasic potassium phosphate

R TECS number : TC5580000

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

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 – Present

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---