

I Identification

Product Name: **Potassium Phosphate Dibasic, Anhydrous**

Catalog Number: **P021**

Synonyms: **Dipotassium Hydrogen Phosphate**

Company: **Caisson Laboratories**

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Recommended Use:

Restrictions On Use:

II Hazard(s) Identification

Overview:

Flammability:

Reactivity:

Toxicity:

NFPA Rating

Health: **0**

Flammability: **0**

Reactivity: **0**

Special:

Pictograms:

III Composition / Information on Ingredients

General Information:

Component: **K₂HPO₄**

CAS#: **7758-11-4**

% by Weight: **100**

IV First-Aid Measures

General Information:

Route of Exposure

Oral: **Do NOT induce vomiting unless directed to do so by medical personnel.**

Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Loosen tight clothing such as a collar, tie, belt or waistband.

Inhalation: **If inhaled, move to fresh air. If breathing becomes difficult, call a physician.**

Dermal: **In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Call a physician.**

Eye: **In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.**

V Fire-Fighting Measures

General Information:

Flammable Properties

General:

Flash Point:

Ignition Temperature:

Suitable Extinguishing Media:

Special Protective Equipment for fire fighters:

Additional Information:

VI Accidental Release Measures

General Information: **Use appropriate tools to put the spilled solid in a convenient waste disposal container.**

VII Handling and Storage

Handling:

Storage: **Keep container tightly closed. Keep container in a cool, well ventilated area.**

VIII Exposure Controls / Personal Protection

General Information:

Engineering Measures: **Local exhaust ventilation.**

Personal Protective Equipment

General:

Eye Protection: **Safety glasses or goggles recommended.**

Hand Protection: **Chemical-resistant gloves recommended.**

Respiratory Protection:

Skin and Body Protection: **Lab coat.**

Hygiene Measures:

IX Physical and Chemical Properties

General Information:

Appearance: **Deliquescent white crystals or powder.**

pH:

Specific Gravity:

Melting Point: **465 C**

Boiling Point:

Flash Point:

Flammability Range:

Vapor Pressure:

X Stability and Reactivity

General Information:

Storage Stability

Temperature: **Room Temperature**

Light Sensitive: **True**

Incompatibles:

Hazardous Decomposition Products: **Phosphorus oxides may form when heated to decomposition.**

XI Toxicological Information

General Information:

Acute Toxicity: **Ingestion:**

Phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Such effects, however, have occurred. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, cardiac effects and central nervous system effects. The toxicity of phosphates is because of their ability to sequester calcium. Acute potassium intoxication by mouth is rare because large single doses usually induce vomiting and because in the absence of pre-existing kidney damage, potassium is rapidly excreted. Potassium poisoning can result in heart effects, change in respiration rate, tingling in the extremities, heaviness in the limbs, nausea and diarrhea.

Chronic Toxicity:

Local Effects:

Target Organs:

Carcinogenicity:

OSHA Permissible Exposure Limits:

XII Ecological Information

General Information:

XIII Disposal Considerations

General Information:

Disposal of Product:

Disposal of Packaging:

XIV Transport Information

Proper Shipping Name: **CHEMICALS, N.O.S (NON-REGULATED)**

UN#:

Class:

Packaging Group:

Hazard Label:

XV Regulatory Information

General Information:

TSCA:

SARA 313:

XVI Other Information

General Information: **The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Caisson Laboratories, Inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.**

Last Revision Date: 17 May, 2013