1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PrepTab™ Pt-Pb Buffer Reagent
Catalog Number: 2790585

Hach Company
P.O.Box 389
Loveland, CO USA 80539
(970) 669-3050

Emergency Telephone Numbers:
P.O.Box 389 (Medical and Transportation)
Loveland, CO USA 80539 (303) 623-5716 24 Hour Service
(970) 669-3050 (515) 232-2533 8am - 4pm CST

MSDS Number: M01732
Chemical Name: Not Applicable
CAS No.: Not Applicable
Chemical Formula: Not Applicable
Chemical Family: Not applicable
Hazard: May cause irritation.
Date of MSDS Preparation:
Day: 24
Month: 09
Year: 2004

2. COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary Components
CAS No.: Proprietary
TSCA CAS Number: Not applicable
Percent Range: > 40
Percent Range Units: weight / weight
LD50: Toxic properties not known
LC50: Toxic properties not known
TLV: Not established
PEL: Not established
Hazard: Toxic properties unknown.

Potassium Acid Phthalate
CAS No.: 877-24-7
TSCA CAS Number: 877-24-7
Percent Range: < 60
Percent Range Units: weight / weight
LD50: Oral rat LDLo = 3200 mg/kg
LC50: None reported
TLV: Not established
PEL: Not established
Hazard: May cause irritation.

3. HAZARDS IDENTIFICATION

Emergency Overview:
Appearance: White pellets
Odor: None
MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION
**HMIS:**
- **Health:** 1
- **Flammability:** 1
- **Reactivity:** 0

**Protective Equipment:** X - See protective equipment, Section 8.

**NFPA:**
- **Health:** 1
- **Flammability:** 1
- **Reactivity:** 0
- **Symbol:** Not applicable

**Potential Health Effects:**
- **Eye Contact:** May cause irritation
- **Skin Contact:** No effects are anticipated
- **Skin Absorption:** No effects anticipated
  - **Target Organs:** Central nervous system
- **Ingestion:** May cause: nausea vomiting paresthesias (tingling or burning sensation) of the hands and feet
  - **Target Organs:** Central nervous system
- **Inhalation:** May cause: respiratory tract irritation
  - **Target Organs:** Central nervous system
- **Medical Conditions Aggravated:** Pre-existing: Eye conditions Respiratory conditions
- **Chronic Effects:** None reported

**Cancer / Reproductive Toxicity Information:**
- **O.S.H.A. Listed:** No
- **IARC Listed:** No
- **NTP Listed:** No

**Additional Cancer / Reproductive Toxicity Information:** None reported

**Toxicologically Synergistic Products:** None reported

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### 4. FIRST AID

- **Eye Contact:** Immediately flush eyes with water for 15 minutes. Call physician.
- **Skin Contact (First Aid):** Wash skin with soap and plenty of water.
- **Ingestion (First Aid):** Give large quantities of water. Call physician immediately.
- **Inhalation:** Remove to fresh air. Give artificial respiration if necessary. Call physician.

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### 5. FIRE FIGHTING MEASURES

- **Flammable Properties:** Can burn in fire, releasing toxic vapors.
- **Flash Point:** Not Applicable
- **Method:** Not applicable
- **Flammability Limits:**
  - **Lower Explosion Limits:** Not Applicable
  - **Upper Explosion Limits:** Not Applicable
- **Autoignition Temperature:** Not Determined
- **Hazardous Combustion Products:** Toxic fumes of: carbon monoxide, carbon dioxide.
- **Fire / Explosion Hazards:** None reported
  - **Static Discharge:** None reported.
  - **Mechanical Impact:** None reported
- **Extinquishing Media:** Use media appropriate to surrounding fire conditions
- **Fire Fighting Instruction:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

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### 6. ACCIDENTAL RELEASE MEASURES

- **Spill Response Notice:**
Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company’s emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance.

**Containment Technique:** Stop spilled material from being released to the environment.

**Clean-up Technique:** Scoop up spilled material into a large beaker and dissolve with water. Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate. Flush reacted material to the drain with a large excess of water. Decontaminate the area of the spill with a soap solution.

**Evacuation Procedure:** Evacuate as needed to perform spill clean-up. If conditions warrant, increase the size of the evacuation.

**Special Instructions (for accidental release):** Not applicable

**304 EHS RQ (40 CFR 355):** Not applicable

**D.O.T. Emergency Response Guide Number:** Not Applicable

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### 7. HANDLING / STORAGE

**Handling:** Avoid contact with eyes. Do not breathe dust. Wash thoroughly after handling. Maintain general industrial hygiene practices when using this product.

**Storage:** Keep away from acids, oxidizers. Protect from heat.

**Flammability Class:** Not applicable

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### 8. EXPOSURE CONTROLS / PROTECTIVE EQUIPMENT

**Engineering Controls:** Have an eyewash station nearby. Maintain general industrial hygiene practices when using this product.

**Personal Protective Equipment:**
- **Eye Protection:** safety glasses with top and side shields
- **Skin Protection:** disposable latex gloves
- **Inhalation Protection:** adequate ventilation

**Precautionary Measures:** Avoid contact with eyes. Do not breathe dust. Wash thoroughly after handling. Keep away from oxidizers, acids, acid fumes. Protect from heat.

**TLV:** Not Established

**PEL:** Not Established

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### 9. PHYSICAL / CHEMICAL PROPERTIES

**Appearance:** White pellets

**Physical State:** Solid

**Molecular Weight:** Not Applicable

**Odor:** None

**pH:** Not Determined

**Vapor Pressure:** Not Applicable

**Vapor Density (air = 1):** Not Applicable

**Boiling Point:** Not Applicable

**Melting Point:** Not Determined

**Specific Gravity (water = 1):** Not Determined

**Evaporation Rate (water = 1):** Not Applicable

**Volatile Organic Compounds Content:** Not Applicable

**Partition Coefficient (n-octanol / water):** Not Applicable

**Solubility:**
- Water: Soluble
- Acid: Not Determined
- Other: Not Determined

**Metal Corrosivity:**
- Steel: Not Determined
- Aluminum: Not Determined

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### 10. STABILITY / REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.

**Conditions to Avoid:** Excess moisture, Extreme temperatures
**Reactivity / Incompatibility:** Incompatible with nitric acid oxidizers

**Hazardous Decomposition:** Heating to decomposition releases toxic fumes of carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

**Product Toxicological Data:**
- LD50: None Reported
- LC50: None Reported

**Dermal Toxicity Data:** None Reported

**Skin and Eye Irritation Data:** None Reported

**Mutation Data:** None Reported

**Reproductive Effects Data:** None Reported

**Ingredient Toxicological Data:** Potassium Acid Phthlate: Oral Rat LDLo = 3200 mg/kg Not applicable

### 12. ECOLOGICAL INFORMATION

**Product Ecological Information:** --
No ecological data available for this product.

**Ingredient Ecological Information:** --
Not applicable

### 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:** Not Applicable

**Special Instructions (Disposal):** Work in an approved fume hood. Dilute material with excess water making a weaker than 5% solution. Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate. Open cold water tape completely, slowly pour the reacted material to the drain. Allow cold water to run for 5 minutes to completely flush the system.

**Empty Containers:** Dispose of empty container as normal trash. Rinse three times with an appropriate solvent.

**NOTICE (Disposal):** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information.

### 14. TRANSPORT INFORMATION

**D.O.T.:**
- **D.O.T. Proper Shipping Name:** Not Currently Regulated
- DOT Hazard Class: NA
- DOT Subsidiary Risk: NA
- DOT ID Number: NA
- DOT Packing Group: NA

**I.C.A.O.:**
- **I.C.A.O. Proper Shipping Name:** Not Currently Regulated
- ICAO Hazard Class: NA
- ICAO Subsidiary Risk: NA
- ICAO ID Number: NA
- ICAO Packing Group: NA

**I.M.O.:**
- **I.M.O. Proper Shipping Name:** Not Currently Regulated
- I.M.O. Hazard Class: NA
- I.M.O. Subsidiary Risk: NA
- I.M.O. ID Number: NA
- I.M.O. Packing Group: NA

**Additional Information:** This product may be shipped as part of a chemical kit composed of various compatible dangerous goods for analytical or testing purposes. This kit would have the following classification: Proper Shipping Name: Chemical Kit Hazard Class: 9 UN Number 3316
15. REGULATORY INFORMATION

U.S. Federal Regulations:
O.S.H.A.: This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29 CFR 1910.1200)
E.P.A.:
S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370): Immediate (Acute) Health Hazard
S.A.R.A. Title III Section 313 (40 CFR 372): This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.

302 (EHS) TPQ (40 CFR 355): Not applicable
304 CERCLA RQ (40 CFR 302.4): Not applicable
304 EHS RQ (40 CFR 355): Not applicable
Clean Water Act (40 CFR 116.4): Not applicable
RCRA: Contains no RCRA regulated substances.
C.P.S.C.: Not applicable

State Regulations:
California Prop. 65: No Prop. 65 listed chemicals are present in this product.
Identification of Prop. 65 Ingredient(s): --

Trade Secret Registry: Not applicable

National Inventories:
U.S. Inventory Status: All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710).
TSCA CAS Number: Not Applicable

16. OTHER INFORMATION

Intended Use: Laboratory Reagent


Revision Summary: Updates in Section(s) 14,

Legend:
NA - Not Applicable          w/w - weight/weight
ND - Not Determined          w/v - weight/volume
NV - Not Available           v/v - volume/volume

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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