

**1. IDENTIFICATION OF PRODUCT AND SUPPLIER**

**Product name:** Calcium Reagent (CATALOG No. C7503)  
**Product Use:** For the quantitative determination of calcium in serum  
**Supplier:** POINTE SCIENTIFIC INC.  
5449 Research Drive  
Canton, Michigan 48188  
Ph: 1-734-487-8300  
Fax: 1-734-483-1592  
Email: [info@pointescientific.com](mailto:info@pointescientific.com)  
**Emergency:** Pointe Scientific, Inc. Tel. 1-800-445-9853

**2. HAZARD(S) IDENTIFICATION**

**BUF:**

Hazard Classifications:

Skin corrosion/irritation (Category 1)

Hazard Statements

H314: Causes severe skin burns and eye damage

Precautionary Statements

**Prevention:**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P310 Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P304 + P340 IF INHALED: Remove victim 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.

**Storage:**

P404 Store in a closed container.

**Disposal:**

P501: Dispose of contents into sewer system after diluting with large volumes of water, if in accordance with local regulations.



**Signal Word: Danger**

**COL:**

Hazard Classifications:

Skin corrosion/irritation (Category 1)

Serious eye damage/eye irritation (Category 1)

Sensitization, respiratory (Category 1)

Germ cell mutagenicity (Category 1)

Specific target organ toxicity, single exposure; respiratory system (Category 1)

Specific target organ toxicity, repeat exposure; teeth and respiration system (Category 1)

Hazard Statements

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H340: May cause genetic defects

H370: Causes damage to organs

H372: Causes damage to organs through prolonged or repeated exposure



**Signal Word: Danger**

Precautionary Statements

**Prevention:**

- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P285 In case of inadequate ventilation wear respiratory protection.

**Response:**

- P310 Immediately call a POISON CENTER or doctor/physician.
- P363 Wash contaminated clothing before reuse.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
- P304 + P340 IF INHALED: Remove victim 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.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.
- P342 + P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.

**Storage:**

- P404 Store in a closed container.

**Disposal:**

- P501: Dispose of contents to an approved waste disposal plant.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

- BUF:** Potassium Cyanide (CAS # 151-50-8) 0.0125%  
AMP (CAS # 124-65-5) 9.63%
- COL:** Hydrochloric Acid (CAS # 7647-01-0) 2.15%  
Hydroxyquinoline (CAS # 148-24-3) 0.25%

**4. FIRST AID MEASURES**

- SKIN:** In case of contact, immediately flush area with plenty of water.  
**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.  
**ORAL:** If ingested drink plenty of fluids and contact a physician.  
**INHALATION:** If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.

**5. FIRE-FIGHTING MEASURES**

- Flammable:** NO  
**Extinguishing media:** As appropriate for fire in surrounding materials.  
**Flash point:** Not Applicable  
**Upper flammable limit:** Not Applicable  
**Lower flammable limit:** Not Applicable  
**Autoignition temperature:** Not Applicable  
**Hazardous combustion products:** No data

Explosion data

- Sensitivity to mechanical impact:** Not Applicable  
**Sensitivity to static discharge:** Not Applicable  
**Unusual fire and explosion hazards:** No Data

**6. ACCIDENTAL RELEASE MEASURES**

- Local exhaust:** Not Required  
**Protective clothing:** Lab Coat  
**Protective gloves:** Rubber/Latex  
**Eye protection:** Safety glasses  
**Respiratory protection:** Required if inadequate ventilation.  
**Leak and spill procedure:** Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water.

**7. HANDLING AND STORAGE**

**Handling:** Normal precautions for handling chemicals must be observed.  
**Storage:** Store between 2-8 C  
**Shipping regulations:** Not regulated

**8. EXPOSURE CONTROLS / PERSONNEL PROTECTION**

**Local exhaust:** Not Required  
**Protective clothing:** Lab Coat  
**Protective gloves:** Rubber/Latex  
**Eye protection:** Safety glasses  
**Respiratory protection:** Required if inadequate ventilation.  
**Other precautions:** Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state:** Color and buffer are provided as liquids.  
**Appearance and odor:** Color reagent is a clear yellow liquid. Buffer is a clear, colorless liquid with a slight sweet odor.  
**Odor threshold:** Not Available  
**Vapor pressure:** Not Available  
**Vapor density:** Not Available  
**Specific gravity:** Not Available  
**Evaporation rate:** Not Available  
**Melting point:** Not Available  
**Boiling point:** Not Available  
**Solubility in water:** Not Applicable  
**pH:** Reagent = 10.15  
**Coefficient of oil/water distribution:** Not Available

**10. STABILITY AND REACTIVITY**

**Stable:** Yes  
**Hazardous polymerization:** Will not occur.  
**Incompatibility with other substances:** Not Available  
**Hazardous decomposition products:** Not Available

**11. TOXICOLOGICAL INFORMATION**

**ROUTE OF ENTRY/EXPOSURE**

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

**Effects of acute exposure:**

**SKIN CONTACT:** Will cause irritation.  
**EYE CONTACT:** Will cause irritation.  
**INGESTION:** May be harmful if ingested.  
**INHALATION:** Will cause irritation to mucous membranes and upper respiratory tract.

**Effects of chronic exposure:** No data available.

**SENSITIZATION TO PRODUCT:** Not Available  
**SYNERGISTIC PRODUCTS:** Not Available  
**LD50: MOPSO:** Not Available

**12. ECOLOGICAL INFORMATION**

**Water Hazard Class:** Data not yet available.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Dilute with large volumes of water and dispose of into sewer system, in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**Shipping information:** Not regulated

**15. REGULATORY INFORMATION**

Not applicable.

**16. OTHER INFORMATION**

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable.

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