

**1. IDENTIFICATION OF PRODUCT AND SUPPLIER**

**Product name:** Alkaline Phosphatase (CATALOG No. A7516, HA716, HA416, HA916, OA916)  
**Product Use:** For quantitative determination of Alkaline Phosphatase 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**

R1:

Hazard Classifications:

Skin Corrosion/Irritation (Category 1)  
Eye Damage/Irritation (Category 2)  
Respiratory Sensitizer (Category 1)  
Specific Target Organ Toxicity, Single Exposure; Respiratory System (Category 1)  
Specific Target Organ Toxicity, Repeat Exposure; Respiratory System and Teeth (Category 1)

Hazard Statements

H314: Causes severe skin burns and eye damage  
H319: Causes serious eye irritation  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H370: Causes damage to organs  
H372: Causes damage to organs through prolonged or repeated exposure

Precautionary Statements

**Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapor/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  
P314: Get medical advice/attention if you feel unwell  
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.  
P337 + P313: IF eye irritation persists: Get medical advice/attention

**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**

R2:

Hazard Classifications:

Skin Corrosion/Irritation (Category 2)  
Eye Damage/Irritation (Category 2)  
Specific Target Organ Toxicity, Single Exposure; Liver, Kidney, Central Nervous System, Eyes (Category 2)  
Specific Target Organ Toxicity, Repeated Exposure; Liver, Kidney, Central Nervous System (Category 2)  
Reproductive Toxicity (Category 2)  
Germ Cell Mutagenicity (Category 2)  
Carcinogenicity (Category 2)

## SAFETY DATA SHEET

### Hazard Statements

H315: Causes skin irritation  
 H319: Causes serious eye irritation  
 H341: Suspected of causing genetic defects  
 H351: Suspected of causing cancer  
 H361: Suspected of damaging fertility or the unborn child  
 H371: May cause damage to organs  
 H373: Causes damage to organs through prolonged or repeated exposure



Signal Word: **Warning**

### 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

#### Response:

P314: Get medical advice/attention if you feel unwell  
 P362: Take off contaminated clothing and wash before use  
 P302 + P352: IF ON SKIN: wash with plenty of soap and water.  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 P309 + P311: IF exposed or if you feel unwell: call a POISON CENTER or doctor/physician  
 P332 + P313: IF SKIN irritation occurs: Get medical advice/attention  
 P337 + P313: IF eye irritation persists: Get medical advice/attention

#### Storage:

P404: Store in a closed container.

#### Disposal:

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

R1: Hydrochloric Acid (CAS # 7647-01-0) 1.45%  
 Zinc Sulfate (CAS # 7446-20-0) 0.035%

R2: Chloramphenicol (CAS # 56-75-7) 0.06%  
 Methanol (CAS # 67-56-1) 0.20%  
 Phenol (CAS # 108-95-2) 1.00%

### 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**

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

**7. HANDLING AND STORAGE**

<b>Handling:</b>	Normal precautions for handling chemicals must be observed.
<b>Storage:</b>	Store between 2-8 °C
<b>Shipping regulations:</b>	Not regulated

**8. EXPOSURE CONTROLS / PERSONNEL PROTECTION**

<b>Local exhaust:</b>	Not Required
<b>Protective clothing:</b>	Lab Coat
<b>Protective gloves:</b>	Rubber/Latex
<b>Eye protection:</b>	Safety glasses
<b>Respiratory protection:</b>	Required if inadequate ventilation
<b>Other precautions:</b>	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**

<b>Physical state:</b>	Provided in a two part liquid.
<b>Appearance and odor:</b>	R1 reagent is clear and colorless. R2 reagent is slight yellow in color.
<b>Odor threshold:</b>	Not Available
<b>Vapor pressure:</b>	Not Available
<b>Vapor density:</b>	Not Available
<b>Specific gravity:</b>	Not Available
<b>Evaporation rate:</b>	Not Available
<b>Melting point:</b>	Not Available
<b>Boiling point:</b>	Not Available
<b>Solubility in water:</b>	Not Applicable
<b>pH:</b>	Combined Reagent = 10.45
<b>Coefficient of oil/water distribution:</b>	Not Available

**10. STABILITY AND REACTIVITY**

<b>Stable:</b>	Yes
<b>Hazardous polymerization:</b>	Will not occur.
<b>Incompatibility with other substances:</b>	Caution, R2 contains Sodium Azides, in contact with heavy metals, may form explosive metal azides.
<b>Hazardous decomposition products:</b>	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:**

<b>SKIN CONTACT:</b>	May cause irritation.
<b>EYE CONTACT:</b>	May cause irritation.
<b>INGESTION:</b>	May be harmful if ingested.
<b>INHALATION:</b>	May cause irritation to mucous membranes and upper respiratory tract.

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

<b>SENSITIZATION TO PRODUCT:</b>	Not Available
<b>SYNERGISTIC PRODUCTS:</b>	Not Available
<b>LD50: MOPSO:</b>	Not Available

**12. ECOLOGICAL INFORMATION**

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

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:**

**R1:** Dilute with large volumes of water and dispose of into sewer system, in accordance with local regulations.

**R2:** Dispose of contents to an approved waste disposal plant.

**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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