

# Material Safety Data Sheet



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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name:** ALKALINE PHOSPHATASE Roche Applied Sciences, HI CONC.  
**Product number:** 1097075  
**Global material number:** 11097075001  
**Business area:** Roche Applied Sciences  
**Product line:** Not applicable  
**Instrument type:** Not applicable  
**Supplier:** Roche Diagnostics Corporation  
Roche Diagnostics Corporation  
9115 Hague Road  
Indianapolis, IN 46250  
Site Phone Number: 1-800-428-5074  
**Emergency telephone number:** CHEMTREC:  
1-800-424-9300 (U.S. or Canada)  
1-703-527-3887 (International)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	OSHA PEL:	OSHA STEL:	ACGIH TLV:	ACGIH STEL:
No hazardous components >1%, >0.1% carcinogen	NONE	N/A	NA	NA	NA	NA

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

**NFPA Ratings:** Health= 0 Flammability= 0 Reactivity= 0

**Special Definitions:** A=Allergen CA=Carcinogen CO=Corrosive F=Flammable H=Harmful I=Irritant Ox=Oxidizer PB=Potential Biohazard R=Reproductive S=Sensitizer T=Toxic T+=Highly Toxic W=Water Reactive

**Principle routes of exposure:** Ingestion, skin and/or eye contact

**Inhalation:** None

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Skin contact:** None

**Eye contact:** Contact with eyes may cause irritation

**Sensitization or Odor threshold:** The following chemical(s) may cause sensitization, be absorbed via skin, and/or has an odor threshold for detection:

**Medical conditions aggravated by exposure:** None known

**Additional information:** None

## 4. FIRST AID MEASURES

**Inhalation:** Consult a physician. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

**Skin contact:** Rinse with plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use

**Ingestion:** Consult a physician. Do not induce vomiting without medical advice

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice

**Notes to physician:** None determined

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Use dry chemical, CO <sub>2</sub> , water spray or 'alcohol' foam
<b>Unusual hazards:</b>	None known
<b>Special protective equipment for firefighters:</b>	Wear self contained breathing apparatus for fire fighting if necessary

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Use personal protective equipment. Evacuate personnel to safe areas
<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up:</b>	Never return spills in original containers for re-use. Sweep up or vacuum (if powder) or soak up with inert absorbent material (if liquid), then place into a suitable clean, dry, closed container, and label for disposal

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Protect from contamination. Wear personal protective equipment
<b>Storage:</b>	No special precautions required

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures:</b>	Not applicable
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### Personal Protective Equipment

<b>Respiratory protection:</b>	Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow the OSHA regulation, 29CFR1910.134. Always use a NIOSH approved respirator when necessary
<b>Hand protection:</b>	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly
<b>Skin and body protection:</b>	Wear appropriate body protection to prevent skin contact
<b>Eye protection:</b>	Wear appropriate eye protection to prevent eye contact
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions
<b>Polymerization:</b>	Not applicable
<b>Hazardous decomposition products:</b>	Carbon oxides
<b>Materials to avoid:</b>	Strong acids and strong bases. Strong oxidising agents

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	No additional data available
<b>Skin:</b>	No additional data available
<b>Oral:</b>	No additional data available
<b>Mutagenic effects:</b>	No data is available on the product itself
<b>Reproductive toxicity:</b>	No data is available on the product itself

## 12. ECOLOGICAL INFORMATION

<b>Bioaccumulation:</b>	Not determined
<b>Aquatic toxicity:</b>	No data is available on the product itself
<b>Ecotoxicity effects:</b>	No data is available on the product itself

**U.S. EPA, RCRA, CERCLA, SARA, or DGC information on persistent, bioaccumulative, and toxic chemicals (PBTs):**  
The following chemicals are listed under the U.S. EPA regulations of RCRA, CERCLA, SARA, or DGC:

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### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous

### 14. TRANSPORT INFORMATION

Is product hazardous to ship? No  
DOT

<b>Proper shipping name:</b> None			
<b>UN Number:</b> Not applicable	<b>Hazard class:</b> Not applicable	<b>Subsidiary risk:</b> Not applicable	<b>Packing group:</b> Not applicable

#### ICAO/IATA

<b>Proper shipping name:</b> None			
<b>UN Number:</b> Not applicable	<b>Hazard class:</b> Not applicable	<b>Subsidiary risk:</b> Not applicable	<b>Packing group:</b> Not applicable

### 15. REGULATORY INFORMATION

#### U.S. Regulations:

**U.S. CERCLA/SARA/TSCA Regulatory Information:** The following chemicals are listed under the following TSCA/SARA/CERCLA lists. Refer to TSCA regulation if you need a definition for acronyms that may be shown in the TSCA Inventory field in the table below

**U.S. Clean Water Act (CWA)/ California Proposition 65:** The following chemicals are listed under the CWA and/or California Proposition 65:

#### Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

### 16. OTHER INFORMATION

**Reason for revision:** Not applicable  
**References:** None  
**Additional advice:** None  
**Prepared by:** Roche Diagnostics, Health & Safety Department, MSDS Contact: 317-521-7425 or 317-521-7505

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**End of Safety Data Sheet**