

IMPORTANT NOTICE CONCERNING MATERIAL SAFETY DATA SHEET/SAFETY DATA SHEET INFORMATION

Dear Valued Customer,

Sekisui Diagnostics (formerly Genzyme Diagnostics) is working to update all existing documentation in light of the change to our company name and corporate ownership. This includes the (Material) Safety Data Sheets ((M)SDSs) provided with our products.

The following contact information relative to (M)SDSs has changed effective immediately:

Corporate Headquarters:

Sekisui Diagnostics, LLC
31 New York Avenue
Framingham, MA 01701 USA
www.sekisuidiagnostics.com
Phone: 800-332-1042

Manufacturer:

Sekisui Diagnostics P.E.I. Inc.
70 Watts Avenue
Charlottetown, Prince Edward Island
C1E 2B9, Canada
www.sekisuidiagnostics.com
Phone: 800-565-0265

Emergency Telephone Numbers:

Americas: 1-760-476-3962
Europe, Middle East & Africa: +1-760-476-3961
Asia Pacific: +1-760-476-3960
Access Code: 333512

Please feel free to use the information provided above to contact us with any questions pertaining to (M)SDSs.



MATERIAL SAFETY DATA SHEET

Calcium L3K® Reagent

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Calcium L3K® Reagent

Product Number: 145-20; 145-80

Product Use: Component of the Calcium L3K® Assay. For the in vitro quantitative determination of calcium in serum, heparinized plasma and urine. For In Vitro Diagnostic Use Only.

Description: Dilute, slightly acidic, aqueous solution containing small to trace amounts of Phosphonazo III, stabilizer and preservative.

Corporate Headquarters

Genzyme Corporation

500 Kendall Street
Cambridge, MA 02142
USA

Phone: 617-252-7500

Distributor

Genzyme Diagnostics

50 Gibson Drive
Kings Hill, West Malling
Kent, ME19 4AF
UK

Phone: 44 (0) 1732 220022

Manufacturer/Distributor

Genzyme Diagnostics P.E.I. Inc.

70 Watts Ave.
Charlottetown, PE C1E 2B9
CANADA

Phone: 800-332-1042

Distributor

Genzyme Diagnostics

115 Summit Drive
Exton, PA 19341
USA

Phone: 800-999-6578

Emergency Telephone Numbers

Genzyme (U.S.): 617-562-4555

CHEMTREC (U.S.): 800-424-9300

CHEMTREC (Outside U.S.): +1 703-527-3887

2. HAZARDS IDENTIFICATION

Precautionary Statements:

The chemical, physical and toxicological properties of this preparation have not been thoroughly characterized. Avoid contact with eyes and skin. Do not ingest or inhale. Preparation appearance: Clear, purple liquid.

Routes of Exposure:

Occupational exposure routes may include eye contact, skin contact and inhalation.

Potential Health Effects:

Inhalation	No data available. Inhalation may cause minor respiratory irritation.
Eye	No data available. May cause eye irritation.
Skin	No data available. Skin contact may cause irritation.
Ingestion	No data available. Triethanolamine may cause burns in the mouth, pharynx, and esophagus, abdominal pain, nausea, vomiting and diarrhea.
Chronic Effects	No data available.
Target Organs	None known.

Regulatory Status:

This preparation is not classified as hazardous under E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIPS 2009 No. 716 or U.N. GHS ST/SG/AC 10/30. This preparation is classified as hazardous under U.S. OSHA 29 CFR 1910.1200.

Potential Environmental Effects:

See Section 12.



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Calcium L3K® Reagent

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS #	EC #	% (wt/wt)
Triethanolamine	102-71-6	203-049-8	1.7
EC R-Phrases: None	EC Hazard Class: None		

4. FIRST AID MEASURES

Inhalation:

If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.

Eye Contact:

Flush eyes with plenty of tepid water while separating eyelids with fingers, removing contact lenses if worn. In the event of a known avian allergy, continue to flush for at least 15 minutes. Obtain medical attention if allergic symptoms develop, such as swelling and itching. Obtain medical attention if needed or if symptoms, such as redness or irritation persist.

Skin Contact:

In case of contact, flush skin with copious amounts of cool water and remove contaminated clothing. Obtain medical attention if needed or if irritation or other symptoms develop.

Ingestion:

In case of ingestion, contact a poison control center or physician for instructions.

5. FIRE FIGHTING MEASURES

Flammable Properties:

Dilute aqueous solution not considered a fire hazard.

Suitable Extinguishing Media:

Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.

Unsuitable Extinguishing Media:**Physical Properties - Extinguishing Media for Fires (Unsuitable)**

Triethanolamine 102-71-6 Water or ordinary type foam may cause frothing.

Specific Hazards Arising from the Chemical:

Irritating or highly toxic gases may be generated by combustion.

Standard Protective Equipment and Precautions for Firefighters:

Firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear Personal Protective Equipment (PPE) as indicated in Section 8. Ensure adequate ventilation. Avoid physical contact with material. Wash hands thoroughly after handling.

Environmental Precautions:

No information available.



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Methods and Materials for Containment and Clean-Up:

Absorb spill with inert material/sorbent. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.

7. HANDLING AND STORAGE

Handling:

Follow good work practices. Wear proper Personal Protective Equipment (PPE) and follow engineering controls described in Section 8. Avoid physical contact. Wash hands thoroughly after handling.

Storage:

Store at 18 to 26°C (64.4 to 78.8°F).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Triethanolamine 102-71-6 5 mg/m³ TWA

Australia - Occupational Exposure Standards - TWAs

Triethanolamine 102-71-6 5 mg/m³ TWA

Canada - Quebec - Occupational Exposure Limits - TWAEVs

Triethanolamine 102-71-6 5 mg/m³ TWAEV

Israel - Occupational Exposure Limits - TWAs

Triethanolamine 102-71-6 5 mg/m³ TWA

Engineering Controls:

Use in well ventilated areas. If handling large quantities or there is a potential for dust or aerosol generation, use local exhaust ventilation. Facilities storing or using this preparation should be equipped with an eyewash fountain and a safety shower.

Personal Protective Equipment (PPE):

Respiratory	A respirator is not required under normal conditions of use.
Eye/Face	Wear appropriate protective chemical safety glasses or goggles.
Skin	Wear lab coat or other protective garments. Remove contaminated clothing promptly.
Gloves	Wear chemical resistant protective gloves.
General	Follow company-specific safety procedures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, purple liquid	pH:	5.5
Odor:	Not available	Solubility:	Water-soluble
Specific Gravity:	1.01	Evaporation Rate:	Not available
Boiling Point:	Not available	Percent Volatile:	Not available
Melting Point:	Not applicable	Vapor Pressure:	Not available
Freezing Point:	Not available	Partition Coefficient (n-octanol/water):	Not available
Viscosity:	Not available	Vapor Density:	Not available



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Flammability/Explosivity Limits in Air, Lower: Not available
Flammability/Explosivity Limits in Air, Upper: Not available
Auto-Ignition Temperature: Not applicable
Flash Point: Not available

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under ordinary conditions of use and storage. See Section 7.

Conditions to Avoid:

None known.

Incompatible Materials:

Physical Properties - Chemical Incompatibilities

Triethanolamine	102-71-6	Aqueous solution is caustic. Incompatible with acids, organic anhydrides, isocyanates, vinyl acetate, acrylates, substituted allyls, alkylene oxides, epichlorohydrin, aldehydes, strong oxidizers. Corrodes copper and its alloys.
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Hazardous Decomposition Products:

Unknown.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Effects:

Toxicology Data - Selected LD50s and LC50s

Triethanolamine	102-71-6	Oral LD50 Rat: 4190 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg
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Local Effects:

No data available.

Chronic Effects:

No data available.

Carcinogenicity:

New Zealand - Workplace Exposure Limits - Carcinogens

Triethanolamine	102-71-6	A2 - suspected human carcinogen
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Mutagenicity:

No data available.

Teratogenicity:

No data available.

Reproductive Effects:

No data available.

Sensitization:

Australia - Occupational Exposure Standards - Sensitizers

Triethanolamine	102-71-6	sensitiser
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Austria - Occupational Exposure Limits - Sensitizers

Triethanolamine	102-71-6	Sensitizer
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12. ECOLOGICAL INFORMATION

Ecotoxicity:**Ecotoxicity - Freshwater Algae Data**

Triethanolamine	102-71-6	72 Hr EC50 Scenedesmus subspicatus: 216 mg/L; 96 Hr EC50 Scenedesmus subspicatus: 169 mg/L
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Ecotoxicity - Freshwater Fish Species Data

Triethanolamine	102-71-6	96 Hr LC50 Pimephales promelas: 11800 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 450-1000 mg/L [static]
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Ecotoxicity - Microtox Data

Triethanolamine	102-71-6	30 min EC50 Pseudomonas putida: >10000 mg/L
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Ecotoxicity - Water Flea Data

Triethanolamine	102-71-6	24 Hr EC50 Daphnia magna: 1386 mg/L
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Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Environmental Media:

No data available.

13. DISPOSAL CONSIDERATIONS

Methods of Disposal:

Dispose of unused product, spilled material and waste in accordance with all applicable federal, state, local and provincial environmental and hazardous waste regulations.

14. TRANSPORT INFORMATION

Basic Shipping Description:

Not classified as dangerous goods. Not regulated per IATA and DOT regulations.

15. REGULATORY INFORMATION

US Federal Regulations:

This preparation is a component of an FDA-regulated in vitro diagnostic device.

Inventory - United States - Section 8(b) Inventory (TSCA)

Triethanolamine	102-71-6	Present
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U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances

Triethanolamine	102-71-6	Effective 4/13/89, Sunset 12/19/95
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US State Regulations:



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International Regulations:

If approved for European Communities use, this product is regulated under the In Vitro Diagnostic Medical Devices Directive (98/79/EC).

Canada - WHMIS - Classifications of Substances

Triethanolamine	102-71-6	Uncontrolled product according to WHMIS classification criteria
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Canada - WHMIS - Ingredient Disclosure List

Triethanolamine	102-71-6	1 %
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Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

Triethanolamine	102-71-6	ID Number 201, hazard class 1 - low hazard to waters
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Inventory - Australia - Inventory of Chemical Substances (AICS)

Triethanolamine	102-71-6	Present
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Inventory - Canada - Domestic Substances List (DSL)

Triethanolamine	102-71-6	Present
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Inventory - China

Triethanolamine	102-71-6	Present
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Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Triethanolamine	102-71-6	203-049-8
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Inventory - Japan Existing and New Chemical Substances (ENCS)

Triethanolamine	102-71-6	2-308
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Inventory - Korea - Existing and Evaluated Chemical Substances

Triethanolamine	102-71-6	KE-25940
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Canadian Hazardous Products:

WHMIS Status	Exempt
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European Communities Dangerous Substances/Preparations:

EC Hazard Class None

Risk Phrases None

Safety Phrases None

16. OTHER INFORMATION

Further Information:

This MSDS has been prepared in accordance with the ANSI Z400.1 format. Every effort has been made to adhere to the hazard criteria and content requirements of the U.S. OSHA Hazard Communication Standard, Canadian Controlled Products Regulation (CPR), UK Chemical Hazard Information and Packaging Regulations, European Communities REACH Regulation, and UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

MSDS Origination Date: September 24, 2009

Version #: 1

Revision Date: Not Applicable



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Disclaimer:

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