

Responsible Name **Pierce Administration**

Section 1. Chemical Product and Company Identification

Common Name **Biotin – Control Oligo**

Code 89818E

Supplier Pierce Chemical Company

P.O. Box 117
Rockford, IL 61105
USA

815.968.0747 or
1.800.874.3723

In Case of Emergency CALL CHEMTREC:

800.424.9300
OUTSIDE US:
202.483.7616

Print Date 12/5/2001

Validation Date **3/6/2001**

MSDS# Not available.

Manufacturer Pierce Milwaukee LLC
2202 N. Bartlett Avenue
Milwaukee, WI 53202-1009
USA
414.227.3600

Section 2. Composition and Information on Hazardous (OSHA) Ingredients

Name	CAS #	% by Weight	Exposure Limits
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No hazardous ingredient according to 29 CFR 1910.1200 Hazard Communication Standard

Section 3. Hazards Identification

Review the most current and approved institutional guideline, protocol, standard operating procedure(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this Pierce product.

Emergency Overview No specific hazard.

Routes of Entry Not available.

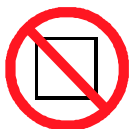
Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant).
Non-sensitizer for skin. Non-sensitizer for lungs.

Carcinogenic Effects Data **CARCINOGENIC EFFECTS:** Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

EU Regulations

This product is not classified according to the EU regulations.



See Toxicological Information (section 11)

Section 4. First Aid Measures

SKIN: Wash contaminated skin with soap and water.

EYES: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

Inhalation: Move exposed person to fresh air. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting. If affected person is conscious, give plenty of water to drink. Seek medical attention.

Section 5. Fire Fighting Measures

Flammability of the Product Non-flammable.

Flash Points Not applicable.

Fire Hazards in Presence of Various Substances Not applicable.

Fire Fighting Media and Instructions Not applicable.

Protective Clothing (Fire) Not applicable.

Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Handling Avoid breathing vapors or spray mists.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection

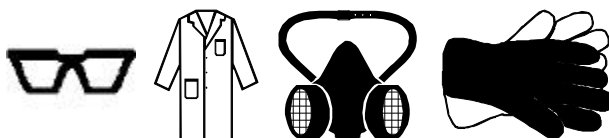
Eyes Safety glasses.

Body Lab coat.

Respiratory Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hands Gloves.

Protective Clothing
(Pictograms)



Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Liquid Appearance

Odor Not available.

Molecular Weight Not applicable.

Taste Not available.

Color Not available.

Dispersion Properties Is not dispersed in cold water, hot water.
See solubility in acetone.

Solubility Partially soluble in acetone.
Insoluble in cold water, hot water.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility with Various Substances Not available.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Not available.

Section 11. Toxicological Information

Other Toxic Effects on Humans Slightly hazardous in case of eye contact (irritant), of inhalation (lung irritant).
Non-hazardous in case of ingestion. Non-corrosive to the eyes. Non-corrosive for lungs.

Special Remarks on Other Toxic Effects on Humans To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated. (Tris(hydroxymethyl)aminomethane)

Section 12. Ecological Information

Toxicity of the Products of Biodegradation Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

Consult your local or regional authorities.

Section 14. Transport Information

Contact Pierce for all transport information.

Section 15. Regulatory Information

HCS Classification Not controlled under the HCS (United States).

U.S. Federal Regulations TSCA 8(b) inventory: Tris(hydroxymethyl)aminomethane

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada) Not controlled under WHMIS (Canada).

CEPA DSL: Tris(hydroxymethyl)aminomethane

International Regulations

EINECS Not available.

DSCL (EEC) This product is not classified according to the EU regulations.

International Lists Australia (NICNAS): DNA; EDTA; Tris(hydroxymethyl)aminomethane

Korea (TCCL): Tris(hydroxymethyl)aminomethane

Philippines (RA6969): EDTA; Tris(hydroxymethyl)aminomethane

State Regulations No products were found.

California prop. 65: No products were found.

Section 16. Other Information

Hazardous Material Information System (U.S.A.)

Health	0
Fire Hazard	0
Reactivity	0
Personal Protection	g

National Fire Protection Association (U.S.A.)



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Verified by Pierce Administration.

Printed 12/5/2001.

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