

 Teco Diagnostics Clinical Reagent Specialists	Form	QL801-152
	Revision	A
	Prepared by	Brian Anderson
	Approved by	Owen Bry
	Issue date	1/14/2011
[MSDS] LDH, Liquid		
1268 N. Lakeview Ave. Anaheim, CA 92807 Phone: (714) 463-1111 Fax: (714) 463-1169 www.tecodiag.com		

Section 1 – Product and Company Information

Product Name	LDH, Liquid	Emergency Telephone No.
Catalog Number	L533-150	CHEMTREC (800) 424-9300
Product Type	Clinical Chemistry Reagent	International CHEMTREC (703) 527-3887
Company Name	Teco Diagnostics	Company Telephone No.
Street Address	1268 N. Lakeview Avenue	(800) 222-9880 or (714) 693-7788 Monday - Friday 8:00-4:30 PST
City, State, Zip Code, Country	Anaheim, CA 92807 USA	Fax No. (714) 693-3838

Section 2 – Composition/Information on Ingredients

	Chemical Names	Concentration	CAS#
LDH Reagent:	Lithium-Lactate	55 mmol/L	27848-80-2
	NAD	7.5 mmol/L	53-84-9
	Buffer	8.95	N/A
Other components either non-hazardous or at concentrations below that requiring hazardous listing.			

Section 3 – Hazards Identification

Emergency Overview:
Note: The following information applies to the component materials at higher concentrations than present in the reagent. Although lower concentrations are present in the reagent, appropriate safety precautions should still be taken.
LDH Reagent: Routes of Entry: Inhalation, ingestion, eye and skin contact.
Acute Skin Contact: Wash contaminated area with soap and large amounts of water.
Acute Eye Contact: Flush eye with copious amounts of water for at least 15 minutes.
Chronic Eye Contact: Flush eye with copious amounts of water.
Chronic Skin Contact: Wash contaminated area with soap and water.
Acute Ingestion: Wash out mouth with large amounts of water. Consult physician if necessary.
Chronic Ingestion: Wash out mouth with large amounts of water.
Carcinogenicity: Not a known carcinogen.

Section 4 – First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration but NOT by mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.
Dermal Exposure
In case of skin contact, immediately Wash contaminated area immediately with soap and copious amounts of water. Remove and wash contaminated clothing
Eye Exposure
In case of contact with eyes, Flush eye with copious amounts of water for at least 15 minutes.

Section 5- Fire and Explosive Hazard Data

Flash Point	Flammable limits
N/A	N/A
Extinguishing Media	
Use media appropriate for site conditions.	
Firefighting Measures	
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.	
Specific Hazard(s): Emits toxic fumes under fire conditions.	

Section 6 – Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill	Procedures of Personal Precaution
Ventilate the area. Absorb on inert material. Place material and contaminated disposables into a suitable container, seal, label and hold for disposal.	Wear chemical safety goggles, rubber boots and heavy rubber gloves. Exercise appropriate precautions to minimize direct contact with skin or eyes.
Methods for Cleaning Up and Disposal	
Dispose of in accordance with federal, state, and local regulations.	

Section 7 – Handling and Storage



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<p>Handling Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Avoid inhalation or ingestion. Do not pipette by mouth.</p>	<p>Storage Store in a cool dry place. Keep tightly closed.</p>
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Section 8 – Exposure Controls / PPE

<p>Engineering Controls Safety shower and eyewash. Good general ventilation.</p>	<p>Personal Protective Equipment Respiratory Protection: None required where adequate ventilation is satisfactory. Ventilation: General room ventilation is satisfactory. Hand: Protective gloves required. Eye: Safety goggles with side shields recommended. Other protective equipment: Safety shower and eye wash should be available. Use a safety pipette device. Lab coat recommended.</p>
<p>General Hygiene Measures Wash thoroughly after handling.</p>	

Section 9 - Physical Data

<p>Boiling Point N/A</p>	<p>Melting Point N/A</p>	<p>Appearance LDH Reagents R1 & R2: Clear liquids</p>
<p>pH</p>	<p>Solubility in Water Soluble</p>	<p>Vapor Density N/A</p>

Section 10 – Stability and Reactivity

<p>Stability Stable, under normal handling and storage conditions.</p>	<p>Materials to Avoid strong oxidizing agents, alkali metals, ammonia, peroxides, acids, acid anhydrides, halogens, acid chlorides</p>
<p>Hazardous Decomposition Products N/A</p>	<p>Hazardous Polymerization N/A</p>

Section 11 – Toxicological information

<p>No Information.</p>

Section 12 – Ecological Information

<p>No Information</p>

Section 13 – Disposal Considerations

<p>Appropriate Method of Disposal of Substance or Preparation Dispose of in accordance with current national and regional regulations.</p>

Section 14 – Transport Information

<p>Product is stable under normal conditions.</p>

Section 15 – Regulatory Information

<p>OSHA Status: Regulated under Subpart Z Classification: The preparation is classified and labeled according to EEC Directive n.88/379. Symbol: NA Risk Statements: NA Safety Statements: NA</p>

Section 16 – Other Information

<p>This Product is labeled in accordance with CFR21 (Food and Drugs), Section 809.10. The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.</p>
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