MATERIAL SAFETY DATA SHEET
D-LACTATE DEHYDROGENASE

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: D-Lactate Dehydrogenase
Synonyms: None
Company Identification: Sisco Research Laboratories Pvt. Ltd.
Andheri (East), Mumbai – 400 099.
Tel : +91 22 2687 2601
Fax : +91 22 2687 8241
Website : www.srlchem.com

2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>9028-36-8</td>
<td>D-Lactate Dehydrogenase</td>
<td>-</td>
<td>232-829-0</td>
</tr>
</tbody>
</table>

3 - HAZARDS IDENTIFICATION

Special Indication Of Hazards To Humans And The Environment
Not hazardous according to Directive 67/548/EEC.

4 - FIRST AID MEASURES

Eyes: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Skin: In case of contact, immediately wash skin with soap and copious amounts of water.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Notes to Physician:

5 - FIRE FIGHTING MEASURES

Extinguishing Media Suitable: Use extinguishing media appropriate to surrounding fire conditions.

Special Protective Equipment For Firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - ACCIDENTAL RELEASE MEASURES

Procedure(S) Of Personal Precaution(S): Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
Methods For Cleaning Up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 – HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Avoid inhalation. Avoid prolonged or repeated exposure.
Storage: Keep tightly closed. Store at -20°C

8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Safety shower and eye bath.
General Hygiene Measures: Wash thoroughly after handling.
Personal Protective Equipment
Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.
Hand Protection: Compatible chemical-resistant gloves.
Eye Protection: Chemical safety goggles.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

10 - STABILITY AND REACTIVITY

Stability: Stable.
Materials to Avoid: Strong oxidizing agents.
Hazardous Decomposition Products: Nature of decomposition products not known.
Hazardous Polymerization: Will not occur

11 - TOXICOLOGICAL INFORMATION

Sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Signs And Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Route Of Exposure Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion: May be harmful if swallowed.
Conditions Aggravated
By Exposure: The toxicological properties have not been thoroughly investigated.

12 - ECOLOGICAL INFORMATION
No data available.

13 - DISPOSAL CONSIDERATIONS
Substance Disposal: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14 - TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous</td>
<td>Non-hazardous</td>
<td>Non-hazardous</td>
</tr>
</tbody>
</table>

Shipping Name: Non-hazardous
Hazard Class: Non-hazardous
UN Number: Non-hazardous
Packing Group:

15 - REGULATORY INFORMATION
Not hazardous according to Directive 67/548/EEC.

16 - ADDITIONAL INFORMATION

SISCO RESEARCH LABORATORIES provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.