

## SAFETY DATA SHEET

### Lactate Dehydrogenase 5 (LDH-5) 355-50

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**1.1 Identification of the Substance or Preparation:**

Product Name: Lactate Dehydrogenase 5 from human liver  
 Cat. No: 355-50  
 CAS No: 9001-60-9

**1.2 Use of the Substance/Preparation:**

Laboratory, Research, Manufacturing

**1.3 Company/Undertaking Identification:**

Lee Biosolutions, Inc.  
 10850 Metro Ct.  
 Maryland Heights, MO 63043  
 314-968-1091  
 info@leebio.com

**1.4 Emergency Telephone:**

Contact your local emergency responder.

**SECTION 2: HAZARDS IDENTIFICATION**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Classification Not a dangerous substance or mixture according to the Globally Harmonized System (GHS) Label elements Signal word Not classified Precautionary Statements - Prevention Wash hands thoroughly after handling Hazards not otherwise classified (HNOC) Hazards not otherwise classified (HNOC) Not applicable Other Information Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.

CAS #	Hazardous Components (Chemical Name)	Concentration	EC Number/EC Index Number	GHS Classification
N/A	N/A	N/A	N/A	N/A

**SECTION 4: FIRST AID MEASURES**

**Inhalation:** No data available.

**Skin:** Rinse with water and dry.

**Eyes:** Flush eyes with water.

**Ingestion:** Seek medical advice.

**Indication of any immediate medical attention and special treatment needed:** No data available.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing media/Suitable extinguishing media:** No data available.

**Special hazards arising from the substance or mixture:** No data available.

**Advice for firefighters:** No data available.

**Further information:** No data available.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spillage:** Dilute spilled substance with plenty of water and absorb.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### SECTION 7: HANDLING AND STORAGE

**Storage:** Store according to recommendations on the certificate of analysis.

**Packaging materials:** No data available.

**Recommended:** Use original container.

**Precautions for safe handling:** Follow Good Industrial Hygiene practices in handling. Avoid contact with skin and eyes and inhalation.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage/spillage.

**Specific End-Uses:** Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Appropriate engineering controls:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

##### Personal Protective Equipment

**Eye/Face Protection:** Use of laboratory eyewear required.

**Skin Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** See certificate of analysis

**Odor:** N/A

**pH:** 8.3

**Boiling Point:** N/A

**Flash Point:** N/A

**Explosive Limit:** N/A

**Oxidizing Properties:** N/A

**Vapor Density:** No data available.

**Specific Gravity:** No data available.

**Solubility:** Ammonium sulfate suspension, must mix to homogenize.

**Fat Solubility:** No data available.

**Partition Coefficient:** No data available.

**Viscosity:** No data available.

**Percentage Volatile:** No data available.

**Evaporation Rate:** No data available.

#### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** No data available.

**Conditions to Avoid:** No data available.

**Incompatible Materials:** No data available.

**Hazardous Decomposition Products:** No data available.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Emergency Overview:** from Section 1 or Section 6 (Section 6 in most cases)

**N.B:** This sub-section can also be found in the "First Aid measures", Section 4 in the EU MSDS.

**Effects of Overexposure:** No data available.

**Inhalation:** No data available.

**Eyes:** No data available.

**Skin:** No data available.

**Ingestion:** No data available.

**Chronic Effects and Medical Conditions:** No data available.

**Acute Dermal Toxicity:** No data available.

**Acute Oral Toxicity:** No data available.

**Acute Inhalation Toxicity:** No data available.

**Chronic Toxicity:** No data available.

**Mutagenicity:** No data available.

**Reproductive effects:** No data available.

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available.

**Mobility:** No data available.

**Persistence and degradability:** No data available.

**Other adverse effects:** No data available.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods:** Dispose according to local, state and federal regulations.

**Contaminated packaging:** Dispose of as unused product.

#### **SECTION 14: TRANSPORT INFORMATION**

**DOT (USA):** Not dangerous goods.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.

#### **SECTION 15: REGULATORY INFORMATION**

**National Regulations:** Follow all applicable laws and regulations.

**Local Regulations:** Follow all applicable laws and regulations.

**Health, Safety and Environmental Regulations:** Follow all applicable laws and regulations.

#### **SECTION 16: OTHER INFORMATION**

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