SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
- Product form: Mixture
- Product name: Diazyme Lp(a) - B Version
- Product code: DZ131B, DZ131B-R1, DZ131B-R2, DZ131B-CAL, DZ131B-CON

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
- Supplier: Diazyme Laboratories
  12889 Gregg Court
  Poway, CA 92064
  T 858-455-4768
- Authorized Representative:
  MDSS GmbH
  Schiffgraben 41
  Germany
  (+49) 511-6262-8630

1.4. Emergency telephone number
- Emergency number
  Contact your local health authority or poison control center in an emergency. Manufacturer contact number for the US is as follows: (858) 455-4768

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture
- GHS-US classification: Not classified

2.2. Label elements
- GHS-US labelling: No labelling applicable

2.3. Other hazards
- No additional information available

2.4. Unknown acute toxicity (GHS US)
- Not applicable

SECTION 3 Composition/information on ingredients

3.1. Substance
- Substance: Not applicable

3.2. Mixture
- Name | Product identifier | % | GHS-US classification
  Trizma Base | (CAS No) 77-86-1 | 1.21 | Skin Irrit. 2, H315
  | | | STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4 First aid measures

4.1. Description of first aid measures
- First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact: Wash skin with plenty of water.
- First-aid measures after eye contact: Rinse eyes with water as a precaution.
- First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
- No additional information available
4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5 Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)
No additional information available.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diazyme Lp(A) - B Version</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Trizma Base (77-86-1)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

<table>
<thead>
<tr>
<th>Controls</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate engineering controls</td>
<td>Ensure good ventilation of the work station.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Protective gloves.</td>
</tr>
<tr>
<td>Eye protection</td>
<td>Safety glasses.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>In case of insufficient ventilation, wear suitable respiratory equipment.</td>
</tr>
</tbody>
</table>
9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: Mixture contains one or more component(s) which have the following colour(s):
White to light yellow Colourless to white

Odour: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.
Mixture contains one or more component(s) which have the following odour(s):
Amine-like odour Mild odour Odourless

Odour threshold: No data available

pH: No data available

Melting point: Not applicable

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Relative evaporation rate (butylacetate=1): No data available

Flammability (solid, gas): No data available

Explosive limits: No data available

Explosive properties: No data available

Oxidising properties: No data available

Vapour pressure: No data available

Relative density: No data available

Relative vapour density at 20 °C: No data available

Solubility: No data available

Log Pow: No data available

Log Kow: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

9.2. Other information

No additional information available

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Acute toxicity  Not classified

<table>
<thead>
<tr>
<th>Trizma Base (77-86-1)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>5900 mg/kg (Rat)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>5900 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation  Not classified
Serious eye damage/irritation  Not classified
Respiratory or skin sensitisation  Not classified
Germ cell mutagenicity  Not classified
Carcinogenicity  Not classified

Reproductive toxicity  Not classified
Specific target organ toxicity (single exposure)  Not classified
Specific target organ toxicity (repeated exposure)  Not classified
Aspiration hazard  Not classified

SECTION 12 Ecological information

12.1. Toxicity
Ecology - general  The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Trizma Base (77-86-1)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Biodegradability in water: no data available.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Trizma Base (77-86-1)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>-1.56</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Bioaccumulation: not applicable.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on the global warming  No known effects from this product.

SECTION 13 Disposal considerations

13.1. Waste treatment methods
Waste treatment methods  Dispose of contents/container in accordance with licensed collector’s sorting instructions.

SECTION 14 Transport information

Department of Transportation (DOT)
In accordance with DOT
Not regulated for transport

Additional information
Other information  No supplementary information available.

ADR
No additional information available

Transport by sea
No additional information available

Air transport
No additional information available
**SECTION 15 Regulatory information**

### 15.1. US Federal regulations

**Trizma Base (77-86-1)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

**CANADA**
- No additional information available

**EU-Regulations**
- No additional information available

- **Classification according to Regulation (EC) No. 1272/2008 [CLP]**
  - Not classified

- **Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**
  - No additional information available

**National regulations**
- No additional information available

### 15.3. US State regulations

- No additional information available

**SECTION 16 Other information**

Full text of H-statements

<table>
<thead>
<tr>
<th>H315</th>
<th>Causes skin irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

SDS US Diazyme

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.