## SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-05-30

### 1. Identification of the substance/mixture and of the company/undertaking

**1.1 Product identifier**
- **Product name:** IMAC Elution buffer
- **Article number:** 09-1012

**1.2 Relevant identified uses of the substance or mixture, and uses advised against**
- **Identified uses:** Laboratory chemical

### 1.3 Details of the supplier of the safety data sheet

- **Company:** Medicago AB
  - Danmark Berga 13
  - 755 98 Uppsala
- **Telephone:** +46 (0)18 56 11 80
- **Facsimile:** +46 (0)18 56 11 88
- **E-mail address:** info@medicago.se

**1.4 Emergency telephone number**
- Emergency telephone number: Giftinformationscentralen 112

### 2. Hazards identification

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)**
- **Acute Toxicity (Category 4)**: H302
- **Skin Corrosion (Category 1B)**: H314
- **Reproductive toxicity (Category 1B)**: H360FD

For full text of the H-phrases, see section 16.

### 2.2 Label elements

**Labelling according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)**

<table>
<thead>
<tr>
<th>Signal word</th>
<th>Danger</th>
</tr>
</thead>
</table>

**Hazard statement(s)**
- H302: Harmful if swallowed
- H314: Causes severe skin burns and eye damage
- H360FD: May damage fertility or the unborn child

**Precautionary statement(s)**
- P201: Obtain special instructions before use.
- P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTRE or doctor/ physician.

**Complementary hazard information**
- None

### 2.3 Other hazards

- No data available.
3. Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Weight %</th>
<th>Classification according to constitution (EG) no 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imidazole</td>
<td>288-32-4</td>
<td>206-019-2</td>
<td>40-50 %</td>
<td>Acute Tox. 4, Skin Corr. 1B, Repr. 1B; H302, H314, H360FD</td>
</tr>
</tbody>
</table>

4. First aid measures

4.1 Description of first aid measures
- If swallowed: Rinse mouth with water. Consult a physician.
- If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- In case of skin contact: Wash off with soap and plenty of water. Consult a physician.
- In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2)

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

5. Fire fighting measures

5.1 Extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, nitrogen oxides (NOx), hydrogen cyanide (hydrocyanic acid)

5.3 Advice for fire fighters
Wear self-contained breathing apparatus for fire fighting if necessary.

5.3 Further information
No data available.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Avoid breathing mist, vapours or gas. Use personal protective equipment. Evacuate personnel to safe areas.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and material for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

6.3 Reference to other sections
See section 13 for disposal.
7. Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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

7.3 Specific end use(s)
See section 1.2

8. Exposure controls/personal protection

8.1 Control parameters
Contains no substances with occupational exposure limit values (Sweden).

8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment
Eye/face protection Use safety glasses.
Skin protection Handle with gloves. Wash and dry hands after use.
Body Protection Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection Use a full face respirator if necessary.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Form: tablets</td>
</tr>
<tr>
<td>Odour</td>
<td>no data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/ water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>

9.2 Other information
No data available.

10. Stability and Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
No data available.

(Continued on page 4)
10.5 Incompatible materials
   Strong oxidizing agents, acid anhydrides, acids.
10.6 Hazardous decomposition products
   See section 5.

11. Toxicological information

11.1 Information on toxicological effects
11.1.2 Mixtures
   Acute toxicity
      No data available
   Skin corrosion/irritation
      No data available
   Serious eye damage/ eye irritation
      No data available
   Respiratory or skin sensitization
      No data available
   Germ cell mutagenicity
      No data available
   Carcinogenicity
      IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
   Reproductive toxicity
      No data available
   Specific target organ toxicity – single exposure
      No data available
   Specific target organ toxicity – repeated exposure
      No data available
   Aspiration hazard
      No data available
   Potential health effects
      Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
      Ingestion May be harmful if swallowed.
      Skin May cause skin irritation.
      Eyes Causes eye irritation.

12. Ecological information

12.1 Toxicity
   No data available.
12.2 Persistence and degradability
   No data available.
12.3 Bioaccumulative potential
   No data available.
12.3 Mobility in soil
   No data available.
12.5 Results of PBT and vPvB assessment
   No data available.
12.6 Other adverse effects
   No data available.
13. Disposal considerations

13.1 Waste treatment methods
Waste must be disposed of in accordance with federal, state and local environmental control regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose contaminated packaging as an unused product.

14. Transport information

14.1 UN-number
ADR-RID, IMDG, IATA:

14.2 UN proper shipping name
ADR-RID, IMDG, IATA:

14.3 Transport hazard class(es)
ADR-RID, IMDG, IATA:

14.4 Packaging group
ADR-RID, IMDG, IATA:

14.5 Environmental hazards
ADR-RID: no
IMDG, water pollutant: no
IATA: no

14.6 Special precautions for user
No data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

15.2 Chemical safety assessment
No data available.

16. Other information

This information is based on the current state of knowledge.

Text of H-phrase(s) and P-phrase(s) in section 2 and 3

Hazard statement(s)
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H360FD May damage fertility or the unborn child

Acute Tox. 4 Acute Toxicity /Category 4)
Skin Corr. 1B Skin Corrosion (Category 1B)
Repr. 1B Reproductive toxicity (Category 1B)

Precautionary statement(s)
P201 Obtain special instructions before use.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
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