

# 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)



Signal word

Danger

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

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

### 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

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

### 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-phrases and P-phrases 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.  |
| 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.   |