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 Phosphate Buffer
Article number: 09-1010

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)

2.2 Label elements
Labelling according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)
The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards
None

3. Composition/information on ingredients

3.2 Mixtures
No components need to be disclosed according to the applicable regulations.

4. First aid measures

4.1 Description of first aid measures
If swallowed In case of ingestion, immediately flush mouth with plenty of water. Get medical attention.
If inhaled If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
In case of skin contact Wash off with soap and plenty of water. Consult a physician.
In case of eye contact Check for and remove any contact lenses. 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
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.
5. Fire fighting measures

5.1 Extinguishing media
Use dry chemical powder. Large fire: Use water spray, fog or alcohol-resistant foam.

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

5.3 Advice for fire fighters
Wear self-contained breathing apparatus and full turnout gear if necessary.

5.4 Further information
No data available.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Ensure adequate ventilation.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and material for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.3 Reference to other sections
For disposal, see section 13.

7. Handling and storage

7.1 Precautions for safe handling
Wear suitable protective clothing. Avoid contact with, skin, eyes and clothing. 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 at room temperature in tightly closed container. Store in a well ventilated place. Use original container.

7.3 Specific end use(s)
No data available.

8. Exposure controls/personal protection

8.1 Control parameters
No components with workplace control parameters.

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

Personal protective equipment
Eye/face protection
Safety glasses
Skin protection
Use 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
If necessary, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
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

No data available

10.3 Possibility of hazardous reactions

No data available

10.3 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents, acid anhydrides, acids

10.6 Hazardous decomposition products

No data available

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Serious eye damage/ eye irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>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.</td>
</tr>
</tbody>
</table>

(Continued on page 4)
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

12.4 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 of as 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 available data
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.