SDS – 089
Revision number: 1
Rev. 11/17

Eluent 80B
Part Numbers: 103396

For use with the ADAMS A1c HA-8180V

ARKRAY USA, Inc.
5182 West 76th Street
Minneapolis, Minnesota 55439

Technical Customer Service Phone:
1-855.646.3108

SDS-089 Rev. 11/17
1. Identification of the substance/mixture and of the company/undertaking
   1.1 Product identifier
   Product name: ELUENT 80B

   1.2 Relevant identified uses of the substance or mixture and uses advised against
   The product is applicable for the following purpose of use only. Use exclusive reagents for ADAMS A1c HA series.

   1.3 Details of the supplier of the safety data sheet
   ARKRAY FACTORY, Inc.
   Address: 1480 Koji, Konan-cho, Koka-shi, Shiga 520-3306, JAPAN
   Phone: +81-748-86-6901
   Facsimile: +81-748-86-5347

   European representative
   ARKRAY Europe, B. V.
   Address: Prof. J. H. Bavincklaan 2, 1183 AT Amstelveen, THE NETHERLANDS
   Phone: +31-20-545-2450
   Facsimile: +31-20-545-2459

   1.4 Emergency telephone number
   Emergency phone: +31-20-545-2450

2. Hazards Identification
   2.1 Classification of the substance or mixture
   Not a hazardous substance or mixture according to REGULATION (EC) No 1272/2008.

   2.2 Label elements
   The product does not need to be labeled in accordance with EC directives or respective national laws.

   2.3 Other hazards
   May be harmful if ingested.
   May cause eyes and skin irritation.

3. Composition/information on ingredients
   3.2 Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Conc. [%]</th>
<th>Formula</th>
<th>EINECS No.</th>
<th>CAS No.</th>
<th>Classification Reguulation(EC) 1272/2008(CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium perchlorate</td>
<td>≤ 3.0</td>
<td>NaClO₄</td>
<td>231-511-9</td>
<td>7601-89-0</td>
<td>Ox. Sol 1; H271, Acute Tox. (oral) 4; H302</td>
</tr>
<tr>
<td>Sodium azide</td>
<td>&lt; 0.1</td>
<td>NaN₃</td>
<td>247-852-1</td>
<td>26628-22-8</td>
<td>Acute Tox. (oral) 2; H302, Acute Tox. (dermal) 1; H310</td>
</tr>
</tbody>
</table>
4. First aid measures

4.1 Description of first aid measures

Inhalation
Remove to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell.

Skin contact
Immediately wash thoroughly with water and soap. Immediately get medical attention if itchiness and inflammation occurs. Wash contaminated clothing before reuse.

Eye contact
Immediately wash eyes with plenty of clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Ingestion
Rinse mouth. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed
No relevant information available

4.3 Indication of any immediate medical attention and special treatment needed
No relevant information available

5. Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water.

Unsuitable extinguishing media
No relevant information available

5.2 Special hazards arising from the substance or mixture
No relevant information available

5.3 Advice for firefighters
Remove containers from fire if safe to do. If not, cool containers and surrounding area with water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
6.1 Stay away from the contaminated area.

For emergency responder
Wear suitable protective equipment.

6.2 Environmental precautions
Avoid release to the environment.

6.3 Methods and material for containment and cleaning up
Flush with plenty of water or wipe off with absorbent such as damp cloth before it dries. Rinse used cloth sufficiently.

6.4 Reference to other sections
For personal protection see Section 8.
For disposal see Section 13.

7. Handling and storage

7.1 Precautions for safe handling
Preventive measures (Exposure Control for handling personnel)
Use suitable protective equipment. For personal protection see Section 8.
Wash hands and gargle after handling. Do NOT eat, drink, or smoke during handling.

7.2 Conditions for safe storage, including any incompatibilities
Avoid direct sunlight. Store at temperature of 3 - 30 °C. Keep container tightly closed.
For incompatibilities see Section 10.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls/personal protection

8.1 Control parameters
No data available

8.2 Exposure controls
Appropriate engineering controls
Handle in a well-ventilated area.

Individual protection measures, such as personal protective equipment
Eye/face protection
Wear protective goggles, if necessary.

Skin protection
Hand protection
Wear protective gloves, if necessary.
Other
Wear protective clothing, if necessary.

Respiratory protection
No information available

Thermal hazards
No information available

Environmental exposure controls
No information available
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>Colourless liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>None</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>—</td>
</tr>
<tr>
<td>pH</td>
<td>8.05 ± 0.20</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>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</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in</td>
<td>No data available</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>
</tbody>
</table>

9.2 Other information

No further relevant information available

10. Stability and reactivity

10.1 Reactivity

No information available

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

Acid

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No information available

11. Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No information available</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No information available</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>No information available</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No information available</td>
</tr>
</tbody>
</table>
Germ cell mutagenicity  No information available
Carcinogenicity
Reproductive toxicity  No information available
STOT-single exposure  No information available
STOT-repeated exposure  No information available
Aspiration hazard  No information available

12. Ecological information
12.1 Toxicity
No information available
12.2 Persistence and degradability
No information available
12.3 Bioaccumulative potential
No information available
12.4 Mobility in soil
No information available
12.5 Results of PBT and vPvB assessment
No information available
12.6 Other adverse effects
No information available

13. Disposal considerations
13.1 Waste treatment methods
Product
If the product is unused, dilute the product with a large amount of water before disposing.
Contaminated packaging
Remove the product from containers completely, and dispose of in accordance with the regulations.
Others
If used product, ask a licensed disposal company.
Observe all federal, state, and local environmental regulation.

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 Packing group
ADR/RID: — IMDG: — IATA: —
14.5 Environmental hazards
14.6 Special precautions for user
No relevant information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. Regulatory information
The 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 information available

15.2 Chemical safety assessment
No information available

16. Other information

The date of preparation and revision of the SDS
Prepared on 1 October 2008
Revised on 24 August 2012: Added the following words in the document beginning, “This material safety data sheet is according to (ES) No.1907/2006 REACH.”
Revised on 1 June 2015: Modified in accordance with the requirements of Regulation (EC) No. 1907/2006.
Revised on 8 June 2016: European representative’s address has changed.

Key literature references
Insert

Further information
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