SDS – 094
Revision number: 1
Rev. 11/17

Calibrator 80 Diluent
Part Numbers: 103400

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

1.1 Product identifier
Product name: CALIBRATOR 80 Diluent

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-8180 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 regulations 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 Regulation(EC) 1272/2008(CLP)</th>
</tr>
</thead>
</table>
| Polyethylene glycol p-octylphenyl ether | ≤ 0.10 | \((C_2H_4O)_nC_{14}H_{22}O\) | — | 9002-93-1 | Acute Tox. (oral) 4; H302
Skin Irrit. 2; H315,
Eye Dam. 1; H318,
Aquatic Chronic 2; H411 |
| Phosphate | ≤ 0.10 | — | — | — | — |
4. First aid measures

4.1 Description of first aid measures

Inhalation
Not applicable

Skin contact
Immediately wash thoroughly with water and soap. Immediately get medical attention if itchiness and inflammation occurs.

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

No relevant information available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
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)
Wear suitable protective equipment. For personal protection see Section 8.

7.2 Conditions for safe storage, including any incompatibilities
Avoid direct sunlight. Store at temperature of 2 to 8 °C. Keep container tightly closed.

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
No information available

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

Skin protection
Hand protection
Use protective gloves, if necessary.

Other
Use 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 clear liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>—</td>
</tr>
<tr>
<td>pH</td>
<td>7.50 ± 0.10</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</td>
<td>No data available</td>
</tr>
<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
</tbody>
</table>
CALIBRATOR 80 Diluent

Vapor density
Solubility in
Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition temperature
Viscosity

9.2 Other information
No further relevant information

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
No information available

10.5 Incompatible materials
No information available

10.6 Hazardous decomposition products
No information available

11. Toxicological information

11.1 Information on toxicological effects
Acute toxicity
Skin corrosion/irritation
Serious eye damage/irritation
Respiratory or skin sensitization
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
STOT-single exposure
STOT-repeated exposure
Aspiration hazard

12. Ecological information

12.1 Toxicity
No information available

12.2 Persistence and degradability
No information available

12.3 Bioaccumulative potential
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
ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user
No 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 June 2009.
Revised on 24 August 2012: Added a postscript to the following words in the document beginning, 
"This material safety data sheet is according to (ES) No. 1907/2006 REACH."
Revised on 10 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

The above information contained herein is based on the data available to us and is believed to be correct. However, ARKRAY, Inc. bears no warranty expresses or implies regarding the accuracy of these data or the results to be obtained from the use thereof.
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