SDS – 092
Revision number: 1
Rev. 11/17

Diluent 80
Part Numbers: 103399

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: CONTROL DILUTION SET 80  DILUENT 80

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 regents 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
No relevant information

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>
<tbody>
<tr>
<td>2-Phenoxyethanol</td>
<td>&lt; 1</td>
<td>C₈H₁₀O₂</td>
<td>204-589-7</td>
<td>122-99-6</td>
<td>Acute Tox. 4; H302 Eye Irrit. 2; H319</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.
CONTROL DILUTION SET 80   DILUENT 80  

Get medical attention if respiratory symptom appears.

Skin contact  
Wash immediately with plenty of water and soap.  
Get medical attention if skin irritation or rash occurs.  
Wash contaminated clothing before reuse.

Eye contact  
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Get medical attention if eye irritation persists.

Ingestion  
Rinse mouth.  
Get medical attention if you feel unwell.

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  
No relevant information available  
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 to safety area, if safe to do. If not, cool containers and surrounding area with water.  
Wear suitable personal protective equipment.

6. Accidental release measures  
6.1 Personal precautions, protective equipment and emergency procedures  
For non-emergency personnel  
No relevant information available  
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  
Stop leak if possible without risk.  
Wash away the area with large amount of water after collecting spilled material. Or wipe up before drying. Wash waste cloth used for cleaning with large amount of water.

6.4 Reference to other sections  
For personal protection see Section 8.
7. Handling and storage

7.1 Precautions for safe handling

Preventive measures (Exposure Control for handling personnel)

Wear personal protective equipment. For personal protection see Section 8.

Handle only in the open air or a well ventilated area.

Wash hands and gargle after handling. Do NOT eat, drink, or smoke during handling.

7.2 Conditions for safe storage, including any incompatibilities

Store only in well-ventilated areas.

Avoid direct sunlight. Store at temperature of 2 to 30 °C. Keep container tightly closed.

Keep the residuals only in the original container.

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

It is desirable to install local exhaust ventilations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety goggles or face-shield.

Skin protection

Hand protection

Wear suitable impervious gloves.

Other

Wear suitable protective clothing.

Respiratory protection

Wear suitable mask.

Environmental exposure controls

No relevant 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>No data available</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>None</td>
</tr>
</tbody>
</table>
Evaporation rate No data available
Flammability No data available
Upper/lower flammability or explosive limits No data available
Vapor pressure No data available
Vapor density No data available
Solubility in Soluble in water
Partition coefficient: No data available
n-octanol/water
Auto-ignition temperature None
Decomposition temperature No data available
Viscosity No data available

9.2 Other information
No further information available

10. Stability and reactivity

10.1 Reactivity
No relevant information available

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
None

10.4 Conditions to avoid
Heat

10.5 Incompatible materials
Strong acid

10.6 Hazardous decomposition products
No data available.

11. Toxicological information

11.1 Information on toxicological effects
Acute toxicity No relevant information available
Skin corrosion/irritation No relevant information available
Serious eye damage/irritation No relevant information available
Respiratory or skin sensitization No relevant information available
Germ cell mutagenicity No relevant information available
Carcinogenicity
Reproductive toxicity No relevant information available
STOT-single exposure No relevant information available
STOT-repeated exposure No relevant information available
Aspiration hazard No relevant information available

12. Ecological information
12.1 Toxicity
No relevant information available

12.2 Persistence and degradability
No relevant information available

12.3 Bioaccumulative potential
No relevant information available

12.4 Mobility in soil
No relevant information available

12.5 Results of PBT and vPvB assessment
No relevant information available

12.6 Other adverse effects
No relevant 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: no  Marine pollutant: no  IATA: no

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
15.2 Chemical safety assessment
No chemical safety assessment has been carried out for this mixture by the supplier.

16. Other information
The date of preparation and revision of the SDS
Prepared on 1 October 2008.
Revised on 1 April 2010: Changed Telephone number & Facsimile number of the Manufacturer in “Company information.”
Revised on 8 June 2016: European representative’s address has changed.
Revised on 22 December 2016: Corrected the wording in 15.1.

Key literature references
Insert

Further information
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