

**SAFETY DATA SHEET**

SDS No. : 71265EU-1  
Issue Date : 01 Oct. 2008  
Revision Date : 30 Nov. 2021  
Ver.4.0

**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 reagents for ADAMSTM 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 (9:00~17:00)

**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**

No relevant information.

**3. Composition/information on ingredients****3.2 Mixtures**

Component	Conc. [wt%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
2-Phenoxyethanol	< 1	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	204-589-7	122-99-6	Acute Tox. 4; H302 Eye Irrit. 2; H319

## 4. First aid measures

### 4.1 Description of first aid measures.

#### General notes

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### Following inhalation

Remove to fresh air and keep comfortable for breathing.

Get medical attention if respiratory symptom appears.

#### Following skin contact

Wash immediately with plenty of water and soap.

Get medical attention if skin irritation or rash occurs.

Wash contaminated clothing before reuse.

#### Following 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.

#### Following ingestion

Rinse mouth.

Get medical attention if you feel unwell.

#### Self-protection of the first aider

Wear protective equipment to avoid contact with skin and eyes.

### 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

Not specified

### 5.2 Special hazards arising from the substance or mixture

Toxic and irritating dust, fumes, or smoke may be emitted.

### 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

#### 6.1.1 For non-emergency personnel

Wear suitable protective equipment.

**6.1.2 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****6.3.1 For containment:**

Stop leak if possible without risk.

**6.3.2 For cleans up:**

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.

**6.3.3 Other information:**

No relevant information available.

**6.4 Reference to other sections**

For protective equipment 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 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**

The product does not contain any substances for which the allowable concentration has been set.

**8.2 Exposure controls****8.2.1 Appropriate engineering controls**

It is desirable to install local exhaust ventilations.

**8.2.2 personal protection equipment:****8.2.2.1 Eye/face protection**

Wear safety goggles or face-shield.

**8.2.2.2 Skin protection**

Hand protection

Wear suitable impervious gloves.

Other skin protection:

Wear suitable protective clothing.

#### **8.2.2.3 Respiratory protection**

Wear suitable mask.

#### **8.2.2.4 Thermal hazards**

No relevant information available.

### **8.2.3 Environmental exposure controls**

For environmental exposure controls, see Section 6.2.

## **9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Physical state	liquid
Colour	Colourless clear
Odour	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	No data available
Flash Point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	7.50 ± 0.10
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient	No data available
n-octanol/water(log value)	
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density	No data available
Particle characteristics	Not applicable

### **9.2 Other information**

No relevant information available.

## **10. Stability and reactivity**

### **10.1 Reactivity**

Stable under normal conditions.

### **10.2 Chemical stability**

Stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

Stable under recommended storage conditions.

### **10.4 Conditions to avoid**

Sunlight, heat, and humidity

**10.5 Incompatible materials**

Store at a distance from incompatible materials.

**10.6 Hazardous decomposition products**

Does not decompose when used for intended uses.

**11. Toxicological information****11.1 Information on hazard classes as defined in Regulation(EC) No 1272/2008**

Acute toxicity	
Oral	Based on available data, the classification criteria are not met.(Mixture)
	LD50 Oral - Rat - male and female - 1.850 mg/kg (2-Phenoxyethanol)
Dermal	Based on available data, the classification criteria are not met.
Inhalation	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.(Mixture)
	Causes serious eye irritation. (2-Phenoxyethanol)
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

No further information available.

**12. Ecological information****12.1 Toxicity**

Based on available data, the classification criteria are not met.

**12.2 Persistence and degradability**

Based on available data, the classification criteria are not met.

**12.3 Bioaccumulative potential**

Based on available data, the classification criteria are not met.

**12.4 Mobility in soil**

Based on available data, the classification criteria are not met.

**12.5 Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Endocrine disrupting properties**

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

**12.7 Other adverse effects**

No further information available.

**13. Disposal considerations****13.1 Waste treatment methods****13.1.1 Product/Packaging disposal**

Dispose of the product in accordance with regulations.

**13.1.2 Waste treatment-relevant information**

Dispose of as unused product.

**13.1.3 Sewage disposal-relevant information**

Do not dump this product into sewers, on the ground or into any body of water.

**13.1.4 Other disposal recommendations**

Observe all federal, state, and local environmental regulation.

**14. Transport information****14.1 UN number or ID number**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.2 UN proper shipping name**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.3 Transport hazard class(es)**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.4 Packing group**

ADR/RID: N/A

IMDG: N/A

IATA: N/A

**14.5 Environmental hazards**

ADR/RID: N/A

IMDG Marine pollutant: N/A

IATA: N/A

**14.6 Special precautions for user**

When transporting, make sure that there are no leaks in the container, load it so that it does not fall over, fall, or be damaged, and make sure to prevent it from collapsing.

**14.7 Maritime transport in bulk according to IMO instruments**

No relevant information available.

**15. Regulatory information****15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture**

(EC) No 1907/2006 (REACH)

(EC) No 1272/2008 (CLP)

(EU) No 453/2010

(EU) No 2015/ 830

(EU) 2020/878

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out.

**16. Other information****The date of preparation and revision of the SDS**

Ver.1.0	Prepared on 1 October 2008.	
Ver.1.1	Revised on 1 April 2010:	Changed Telephone number & Facsimile number of the Manufacturer in "Company information."
Ver.2.0	Revised on 16 July 2015:	Modified in accordance with the requirements of Regulation (EC) No. 1907/2006.
Ver.2.1	Revised on 8 June 2016:	European representative's address has changed.
Ver.2.2	Revised on 22 December 2016:	Corrected the wording in 15.1.
Ver.3.0	Revised on 25 May 2020:	Upgraded Ver. due to the change of Polyoxyethylated octyl phenol Conc. in section 3.2. of SDS No. 71265EU-2.
Ver.4.0	Revised on 30 November 2021:	Revised a new format in accordance with Regulation(EU) 2020/878.

**Key literature references**

Package insert

IMDG Code

IATA Dangerous Goods Regulations

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC)****1272/2008 [CLP]:**

Not applicable

**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.

ARKRAY, Inc. assumes no responsibility for injury caused from the use of the product described herein.