

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** MC2+ RAPIDE Central Heating System SILENCER

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Water treatment chemical

### 1.3. Details of the supplier of the safety data sheet

**Company name:** ADEY Innovation Limited,  
Head Office,  
Gloucester Road,  
Cheltenham,  
Gloucestershire,  
GL51 8NR,  
United Kingdom

**Tel:** +44 (0)1242 546700

**Fax:** +44 (0)1242 546777

**Email:** info@adey.com

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0)1242 546700 (8:30 – 5pm)  
+44 (0)7909 967607 (outside office hours)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to (EC 1272/2008):** Not applicable.  
This product is not classified according to the CLP regulation.

### 2.2. Label elements

**Label elements:** This product has no label elements.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

**Chemical Characterisation:** Mixtures

**Description:** Mixture of substances listed below with non-hazardous additions.

Dangerous components		
2809-21-4	1-Hydroxyethylidenediphosphonic Acid	<5%
	Met. Corr. 1, H290; Eye Dam. 1, H318; Acute Tox. 4, H302	

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of complaints.

**Ingestion:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

**Skin contact:** Take off immediately all contaminated clothing.

**Eye contact:** Rinse opened eye for several minutes under running water.

### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** No further relevant information available.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water, carbon dioxide, foam.

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

No further relevant information available.

### 5.3. Advice for fire-fighters

**Protective equipment:** Mouth respiratory protective device.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Wear protective equipment. Keep unprotected persons away.

### 6.2. Environmental precautions

**Environmental precautions:** Do not allow product to reach sewage system or any water course.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** No special measures required.

**Information about fire – and explosion protection:**

No special measures required.

### 7.2. Conditions for safe storage, including any incompatibilities

**Requirements to be met by storerooms and receptacles:** Store in a cool locations (0°-35°C).

Store only in the original receptacle.

**Information about storage in one common facility:** Not required.

**Further information about storage:** Store in a cool place.

The product, if stored properly, is stable for 24 months.

Storage class: 12

### 7.3. Specific end use(s)

**Specific end use(s):** No further relevant information available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

This product does not contain any relevant quantities of material with critical values that have to be monitored in the workplace.

**Additional information:** The lists valid during the making were used as a basis.

### 8.2. Exposure controls

**General measures:** The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Characteristic

**pH value:** 10

#### Change in condition

**Boiling point/Boiling range:** 100°C

**Flash point:** Not applicable.

**Flammability (solid, gaseous):** Not applicable.

#### Ignition temperature

**Decomposition temperature:** Not determined.

**Self-igniting:** Product is not self-igniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Vapour pressure at 20%:** 23 hPa

**Density at 20%:** 1.04 g/cm<sup>3</sup>

**Solubility in water:** Fully miscible.

#### Partition coefficient

**(n-octanol/water):** Not determined.

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No further relevant information available.

### 10.2. Chemical stability

**Chemical stability:** No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No dangerous reactions known.

### 10.4. Conditions to avoid

**Conditions to avoid:** No further relevant information available.

### 10.5. Incompatible materials

**Materials to avoid:** No further relevant information available.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** No dangerous decomposition products known.

## Section 11: Toxicological information

### Acute toxicity

LD/LC50 values relevant for classification		
ORAL	LD50	>10000 mg/kg (rat)
DERMAL	LD50	>10000 mg/kg (rabbit)

### 11.1. Information on toxicological effects

#### Primary irritant effect:

**Skin contact:** No irritant effect.

**Eye contact:** No irritating effect.

**Sensitisation:** No sensitising effects known.

## Section 12: Ecological information

### 12.1. Toxicity

Aquatic Toxicity	
2809-21-4 1-Hydroxyethylidenediphosphonic Acid	
EC 50/48h	527 mg/l (daphnia)
EC50/96h	7.2 mg/l (algae)
LC50/96h	868 mg/l (Iepomis macrochirus)
	368 mg/l (Oncorhynchus mykiss)

### 12.2. Persistence and degradability

**Persistence and degradability:** No further relevant information available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No further relevant information available.

### 12.4. Mobility in soil

**Mobility:** No further relevant information available.

### Additional ecological information:

**General notes:** Generally not hazardous for water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** No further relevant information available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Recommendation:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

European waste catalogue	
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03 00	Off-specification batches and unused products
16 03 06	Organic wastes other than those mentioned in 16 03 05

**Uncleaned packaging:**

**Recommendations:** Disposal must be made according to official regulations.

## Section 14: Transport information

### 14.1. UN number

ADR/RID: 1950

IMDG: 1950

### 14.2. UN proper shipping name

ADR/RID: Aerosols, non-flammable

IMDG: Aerosols, non-flammable

### 14.3. Transport hazard class(es)

ADR/RID: 2



IMDG: 2.2



#### 14.4. Packing group

No information required.

#### 14.5. Environmental hazards

No environmentally hazardous substances/marine pollutants.

#### 14.6. Special precautions for user

No information required.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

### Section 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation:** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out.

### Section 16: Other information

#### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

**Relevant phrases:** H290 May be corrosive to metals.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

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