

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: MC3+ RAPIDE Central Heating System CLEANER

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

Use of substance / mixture: Heating system cleaning 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 (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**

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

Dangerous components:			
CAS: 57-55-6	propan-1, 2-diol	Acute Tox. 4, H302	≥10<25%
EINECS: 200-338-0			

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

Skin contact: Take off immediately all contaminated clothing.

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

Ingestion: If symptoms persist consult doctor.

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

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: Use fire extinguishing methods suitable to surrounding conditions.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: No further relevant information available.

5.3. Advice for fire-fighters

Advice for fire-fighters: No special measures required.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Not required.

6.2. Environmental precautions

Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

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

Reference to other sections: No dangerous substances are released.

Refer to section 7 for information on safe handling.

Refer to section 8 for information on personal protection equipment.

Refer to 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 location (0°-35°C).

Information about storage in one common facility: Not required.

Further information about storage: 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

Hazardous ingredients:

Ingredients with limit values that require monitoring at the workplace:	
57-55-6 propane-1, 2-diol	
WEL (Great Britain)	Long-term value: 474* 10**mg/m ³ , 150* ppm *total vapour and particulates **particulates
MAK (Germany)	Vgl.Abschn.IIb

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

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Hand protection: Neoprene gloves.

Penetration time of glove material: The exact break-through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection: Safety goggles recommended during refilling.

Skin protection: Light weight protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid.

Colour: Brown.

Odour: Characteristic.

pH value at 20 °C: 7

Change in condition

Melting point/Melting range: -5 °C

Boiling point/Boiling range: 100°C

Flash point: 101 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 371 °C

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Product does not present an explosion hazard.

Danger of explosion:

Explosion limits 2.6 Vol %

Lower : 12.6 Vol %

Upper : 23 hPa

Vapour pressure at 20%: 1.19 g/cm³

Density at 20%: Fully miscible.

Solubility in water:

9.2. Other information

Other information: No further relevant information available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No further relevant information available.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

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

Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification		
57-55-6 propane-1, 2-diol		
Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

Section 12: Ecological information

12.1. Toxicity

Note: no ecological testing was carried out on the product. Data are based on the properties of the main components.

Aquatic toxicity
57-55-6 propane-1, 2-diol

EC 50/48h	43500 mg/l (daphnia)
LC50/96h	51600 mg/l (Oncorhynchus mykiss)

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil

Mobility: No further relevant information available.

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

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

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agents: Water, if necessary together with cleaning agents.

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 for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EC) No1272/2008.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

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