

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

Product name: MC3+ 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 LLP

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 under CLP: This product has no classification under CLP.

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****Hazardous ingredients:**

1-METHOXY-2-PROPANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-539-1	107-98-2	-	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%

1,2,3-BENZOTRIAZOLE



202-394-1	95-14-7	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Acute Tox. 4: H332	1-10%
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Section 4: First aid measures**4.1. Description of first aid measures**

Skin contact: Wash immediately with plenty of soap and water

Eye contact: If eye irritation occurs or persists seek medical advice.

Ingestion: Wash out mouth with water.

Inhalation: Not required under normal conditions of use. Move to fresh air.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

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

Immediate/special treatment: Not applicable.

Section 5: Fire-fighting measures**5.1. Extinguishing media**

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Avoid release into the environment.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

1-METHOXY-2-PROPANOL

Workplace exposure limits:

Respirable dust

	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
State				
UK	375 mg/m ³	560 mg/m ³	-	-

DNEL/PNEC Values

DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties**State:** Liquid**Colour:** Clear/Brown.**Odour:** Characteristic odour.**Evaporation rate:** No data available.**Oxidising:** No data available.**Solubility in water:** No data available.**Viscosity:** No data available.**Boiling point/range°C:** No data available.**Melting point/range°C:** No data available.**Flammability limits %: lower:** No data available.**upper:** No data available.**Flash point°C:** No data available.**Part.coeff. n-octanol/water:** No data available.**Autoflammability°C:** No data available.**Vapour pressure:** No data available.**Density:** 1.10 g/cm³**pH:** 6.5**VOC g/l:** No data available.**9.2. Other information****Other information:** No data available.**Section 10: Stability and reactivity****10.1. Reactivity****Reactivity:** Stable under recommended transport or storage conditions.**10.2. Chemical stability****Chemical stability:** Stable under normal conditions.**10.3. Possibility of hazardous reactions****Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.**10.4. Conditions to avoid****10.5. Incompatible materials****Materials to avoid:** Strong oxidising agents. Strong acids. Strong bases.**10.6. Hazardous decomposition products****Haz. Decomp. products:** No data available.**Section 11: Toxicological information****11.1. Information on toxicological effects****Hazardous ingredients:**

1-METHOXY-2-PROPANOL

IVN	RAT	LD50	4200	mg/kg
ORL	MUS	LD50	11700	mg/kg
ORL	RAT	LDLO	3739	mg/kg

1,2,3-BENZOTRIAZOLE

DERMAL	RAT	LD50	>1000	mg/kg
ORAL	MUS	LD50	615	mg/kg
ORAL	RAT	LD50	560	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Section 12: Ecological information**12.1. Toxicity**

Hazardous ingredients:

1,2,3-BENZOTRIAZOLE

Daphnia magna	48H EC50	91	mg/l
FISH	96H LC50	39	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

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: Negligible ecotoxicity.

Section 13: Disposal considerations**13.1. Waste treatment methods**

Disposal operations: Deposit into or on to land (e.g. landfill, etc.)

Disposal of packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

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).

Guidance: Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Approved Classification and Labelling Guide (Sixth edition) L131.
Safety Data Sheets for Substances and Preparations.

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 (EU) No 453/2010.

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

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H336: May cause drowsiness or dizziness.

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SAFETY DATA SHEET

MC3 Central Heating System Cleaner

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