

**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](mailto: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 <sup>3</sup>	560 mg/m <sup>3</sup>	-	-

**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.**Flammability limits %: lower:** No data available.**Flash point°C:** No data available.**Autoflammability°C:** No data available.**Density:** 1.10 g/cm<sup>3</sup>**VOC g/l:** No data available.**Melting point/range°C:** No data available.**upper:** No data available.**Part.coeff. n-octanol/water:** No data available.**Vapour pressure:** No data available.**pH:** 6.5**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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