

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

**Product name:** MC10+ Underfloor & Central Heating System BIOCIDE

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

**Use of substance / mixture:** Biocide

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

**Company name:** ADEY Innovation LLP

Head Office  
Gloucester Road,  
Cheltenham,  
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: Hazard(s) identification****2.1. Classification of the substance or mixture**

**Classification under CLP:** Eye Irrit. 2: H319; Aquatic Chronic 3: H412; -: EUH208

**Most important adverse effects:** Contains mixture of 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one. May produce an allergic reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** EUH208: Contains mixture of 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2hisothiazol-3-one. May produce an allergic reaction.  
H319: Causes serious eye irritation.  
H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.2. Mixture

#### Hazardous ingredients:

2-BROMO-2-NITROPROPANE-1,3-DIOL - REACH registered number(s): 01-2119980938-15-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-143-0	52-51-7	-	Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Dam. 1: H318; STOT SE 3: H335; Aquatic Acute 1: H400	1 – 10%

#### Non-classified ingredients:

MIXTURE OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	55965-84-9	-	Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Acute Tox. 3: H301; Acute Tox. 3: H331; Acute Tox. 3: H311; -: EUH208	0.1 – 1%

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

**Eye contact:** Bathe the eye with running water for 15 minutes, Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

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

**Immediate/special treatment:** Eye bathing equipment should be available on the premises.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

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

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

#### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** 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:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Absorb into dry earth or sand

#### 6.4. Reference to other sections

For further information, refer to section 8 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.

#### 7.3. Specific end use(s)

### Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Workplace exposure limits:** No data available.

#### 8.2. Exposure controls

**DNEL / PNEC:** No data available.

#### 8.2. Exposure controls

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

**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:** Barely perceptible odour

**Solubility:** Soluble

**Relative density:** 1.01

**pH:** 4 – 5

### 9.2. Other information

No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended transport or storage conditions.

### 10.2. 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

### 10.6. Hazardous decomposition products

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**2-BROMO-2-NITROPROPANE-1,3-DIOL**

IHL	RAT	LC50	>5000	mg/M3/6hr
ORL	RAT	LD50	180	mg/kg
SKN	RAT	LD50		mg/kg

**Hazardous ingredients:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in 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

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**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

### 15.2. Chemical safety assessment

## Section 16: Other information

### Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

### Phrases used in s.2 and s.3:

EUH208: Contains mixture of 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2hisothiazol-3-one. May produce an allergic reaction.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

**Legal disclaimer:** © ADEY Innovation LLP 2017. All rights reserved. You may use and make a reasonable number of copies of this document for your own internal business purposes only but not otherwise. The commission of any unauthorised act in relation to this document may result in civil or criminal actions being taken against you. We have taken reasonable steps to ensure that, to the best of our knowledge and belief, the information in this document is correct at the time of publication, but please be aware that it may over time become incorrect or out of date. Any hazards detailed herein may not be exclusive and others may exist. The Supplier excludes and disclaims, to the fullest extent allowed by law, any and all liability for the accuracy and/or completeness of the information contained herein and does not assume any such liability. It is the responsibility of the reader/user to assess the suitability of the product referred to for their purposes and to deal with the safe handling, transportation, use, storage and disposal of the same.