

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

### 1.1. Product identifier

**Product name:** MC4 Central Heating System LEAK SEALER

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

**Use of substance / mixture:** Silicone emulsion leak sealer

### 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

**Physical hazards:** Not classified.

**Health Hazards:** Not classified.

**Environmental hazards:** Not classified.

### 2.2. Label elements

**Hazard statements:** EUH208: Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

### 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:**

1,2,3-BENZOTRIAZOLE

Amorphous silica			<1%
CAS number: 7631-86-9	EC number: 231-545-4	REACH registration number:	012119379499-16-XXXX
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC)		-

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Section 4: First aid measures****4.1. Description of first aid measures**

**Skin contact:** Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation occurs or persists seek medical advice.

**Eye contact:** Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes. If eye irritation occurs or persists seek medical advice.

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

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

Effects may be delayed. Keep affected person under observation.

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

**Notes for the doctor:** No specific recommendations.

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

**Extinguishing media:** This product is not flammable. Suitable extinguishing media for the surrounding fire should be used.

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

**Hazardous combustion products:** Does not decompose when used and stored as recommended.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** No specific firefighting precautions known.

**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 discharge into drains or watercourses or onto the ground.

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

**Clean-up procedures:** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

## 6.4. Reference to other sections

**Reference to other sections:** For personal protection, see Section 8.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid spilling. Avoid contact with skin and eyes.

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

**Storage conditions:** Store in a dry, cool and 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

#### Control parameters /Occupational exposure limits:

Amorphous silica

Long-term exposure limit (8-hour TWA): 6 mg/m<sup>3</sup>

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

**Respiratory protection:** No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

**Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

**Eye protection:** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

**Skin protection:** Protective clothing.

**Hygiene Measures:** Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly

remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## Section 9: Physical and chemical properties

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

**Appearance:** Viscous liquid. Emulsion.

**Colour:** White/off-white.

**Odour:** Slight.

**pH:** 7.0

**Melting Point:** ~ 0°C

**Initial Boiling point/range:** ~ 100°C @

**Bulk density:** ~ 1000 kg/m<sup>3</sup>

**Solubility(ies):** Dispersible in water

### 9.2. Other information

**Critical Temperature:** +4° - +32°C

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Chemical stability:** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Not known.

### 10.4. Conditions to avoid

**Conditions to avoid:** Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid:** No specific mater or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Fire creates:** Carbon Monoxide (CO). Carbon Dioxide (CO<sub>2</sub>)

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Skin contact:** Liquid may irritate skin.

**Eye contact:** Vapour of spray in the eyes may cause irritation and smarting.

**Ingestion:** May cause discomfort if swallowed.

**Inhalation:** Gas or vaopur in high concentrations may irritate the respiratory system. Symptoms

following overexposure may include the following: coughing.

## Section 12: Ecological information

**Ecotoxicity:** Not regarded as dangerous for the environment

### 12.1. Toxicity

**Toxicity:** Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility:** Not known.

### 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:** Not known.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods:** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 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:** EUH208: Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

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