

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name : 5,5-Dimethylhydantoin (DMH)  
 Product code : GE8910  
 CAS number : 77-71-4  
 EINECS : 201-051-3

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

PC21: Laboratory chemicals.

### 1.3 Details of the supplier of the safety data sheet

Company name	: Glentham Life Sciences Ltd	Telephone	: +44 (0) 1225 667 798
	: Unit 5 Leafield Way	Fax	: +44 (0) 2033 978 909
	: Corsham SN13 9SW	Email	: info@glentham.com
	: United Kingdom	Web	: www.glentham.com

### 1.4 Emergency telephone number

Emergency telephone number: +44 (0) 1225 667 798 (09.00 – 17.00 GMT)

### 1.5 REACH

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

## 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 under CLP

This product has no label elements.

### 2.3 Other hazards

#### PBT

This substance is not identified as a PBT substance.

## 3.0 Composition/information on ingredients

### 3.1 Substances

Product name	: 5,5-Dimethylhydantoin (DMH)	MW:	128.13
CAS number	: 77-71-4	MF:	C <sub>5</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>
EINECS	: 201-051-3		

## 4.0 First aid measures

### 4.1 Description of first aid measures

#### Skin contact

Wash immediately with plenty of soap and water.

#### Eye contact

Bathe the eye with running water for 15 minutes.

#### Ingestion

Wash out mouth with water.

#### Inhalation

Consult a doctor.

### 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**

There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects**

Immediate effects can be expected after short-term exposure.

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

Not applicable.

**5.0 Fire-fighting measures****5.1 Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used.

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

In combustion emits toxic fumes.

**5.3 Advice for fire-fighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6.0 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**

Do not discharge into drains or rivers.

**6.3 Methods and material for containment and cleaning up****Clean-up procedures**

Wash the spillage site with large amounts of water.

**6.3 Reference to other sections**

Refer to section 8 of SDS.

**7.0 Handling and storage****7.1 Precautions for safe handling****Handling requirements**

Avoid the formation or spread of dust in the air.

**7.2 Conditions for safe storage, including any incompatibilities****Storage conditions**

Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

**7.3 Specific end use(s)**

No data available.

**8.0 Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Not applicable.

**8.2 Exposure controls****Engineering measures**

Not applicable.

**Respiratory protection**

Respiratory protective device with particle filter.

**Hand protection**

Protective gloves.

**Eye protection**

Safety glasses. Ensure eye bath is to hand.

**Skin protection**

Protective clothing.

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## 9.0 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical Form:

Colour:

### 9.2 Other information

Not applicable.

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## 10.0 Stability and reactivity

### 10.1 Reactivity

### 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. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

#### Materials to avoid

Strong acids. Strong oxidising agents.

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## 11.0 Toxicological information

### 11.1 Information on toxicological effects

#### Toxicity values

Not applicable.

### 11.2 Information on toxicological effects

#### 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

There may be irritation of the throat with a feeling of tightness in the chest.

#### Delayed / immediate effects

Immediate effects can be expected after short-term exposure.

#### Other information

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## 12.0 Ecological information

### 12.1 Toxicity

Not applicable.

### 12.2 Persistence and degradability

Biodegradable.

### 12.3 Bioaccumulative potential

No bioaccumulation potential.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6 Endocrine disrupting properties  
Negligible ecotoxicity.

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#### 13.0 Disposal considerations

##### 13.1 Waste treatment methods

###### Disposal operations

Transfer to a suitable container and arrange for collection by specialised disposal company.

###### NB

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

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#### 14.0 Transport information

This product does not require a classification for transport.

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#### 15.0 Regulatory information

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

Not applicable.

##### Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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#### 16.0 Other information

##### Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

##### Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.