

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

#### 1.1 Product identifier

Product name : Esmolol hydrochloride  
Product code : GP0973  
CAS number : 81161-17-3

#### 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 Ingoldmells Court	Fax	: +44 (0) 2033 978 909
	Edinburgh Way	Email	: info@glentham.com
	Corsham	Web	: www.glentham.com
	Wiltshire, SN13 9XN		

#### 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.

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### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification under CLP

Eye Irrit. 2.

#### 2.2 Label elements

##### Label elements under CLP

##### Pictograms



##### Signal words

Warning

##### Hazard statements

H319

Causes serious eye irritation.

##### Precautionary statements

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3 Other hazards

##### PBT

This substance is not identified as a PBT substance.

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### 3.0 Composition/information on ingredients

#### 3.1 Substances

Product name	: Esmolol hydrochloride	MW:	331.83
CAS number	: 81161-17-3	MF:	C16H26ClNO4

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### 4.0 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

Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

##### Inhalation

#### 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 pain and redness. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

#### **Ingestion**

There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

#### **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**

Eye bathing equipment should be available on the premises.

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## **5.0 Fire-fighting measures**

### **5.1 Extinguishing media**

Use water spray to cool containers. 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.

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## **6.0 Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

### **6.2 Environmental precautions**

Do not discharge into drains or rivers.

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

#### **Clean-up procedures**

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### **6.3 Reference to other sections**

Refer to section 8 of SDS.

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## **7.0 Handling and storage**

### **7.1 Precautions for safe handling**

#### **Handling requirements**

Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

### **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.

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## **8.0 Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Workplace exposure limits**

Not applicable.

### **8.2 Exposure controls**

#### **Engineering measures**

Ensure there is sufficient ventilation of the area.

**Respiratory protection**

Respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency.

**Hand protection**

Protective gloves.

**Eye protection**

Tightly fitting safety goggles. 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: Crystalline powder  
Colour: White  
Melting Point: 86.0 - 92.0 [°C]

### 9.2 Other information

Not applicable.

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## 10.0 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. 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 pain and redness. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

**Ingestion**

There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**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**

Readily absorbed into soil. No data available.

**12.5 Results of PBT and vPvB assessment**

This substance is not identified as a PBT substance.

**12.6 Other adverse effects**

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.