

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

### 1.1 Product identifier

Product name : Serotonin hydrogen maleate  
Product code : GK5708  
CAS number : 18525-25-2  
EINECS : 242-399-6

### 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	: <a href="mailto:info@glentham.com">info@glentham.com</a>
	: United Kingdom	Web	: <a href="http://www.glentham.com">www.glentham.com</a>

### 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

Acute Oral Tox. 4.

### 2.2 Label elements

Label elements under CLP

#### Pictograms



#### Signal words

Warning

#### Hazard statements

H302

Harmful if swallowed.

#### Precautionary statements

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P312

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

### 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	: Serotonin hydrogen maleate	MW:	292.29
CAS number	: 18525-25-2	MF:	$C_{10}H_{12}N_2O \cdot C_4H_4O_4$
EINECS	: 242-399-6		

## 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. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

#### Inhalation

Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.

**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.

**Ingestion**

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

**Inhalation**

Absorption through the lungs can occur causing symptoms similar to those of ingestion.

**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. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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.

**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.

**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.

**Hand protection**

Protective gloves.

**Eye protection**

Safety glasses. Ensure eye bath is to hand.

**Skin protection**

Protective clothing.

**9.0 Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical Form:

Colour:

**9.2 Other information**

Not applicable.

**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.

**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.

**Ingestion**

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

**Inhalation**

Absorption through the lungs can occur causing symptoms similar to those of ingestion.

**Delayed / immediate effects**

Immediate effects can be expected after short-term exposure.

**Other information****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.

**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.