

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

#### 1.1 Product identifier

Product name : Citric acid, anhydrous, 99.5%, BP, Ph. Eur., USP grade  
Product code : GV4009  
CAS number : 77-92-9  
EINECS : 201-069-1

#### 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

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.

### 3.0 Composition/information on ingredients

#### 3.1 Substances

Product name	: Citric acid, anhydrous, 99.5%, BP, Ph. Eur., USP grade	MW:	192.13
CAS number	: 77-92-9	MF:	C6H8O7
EINECS	: 201-069-1		

### 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: 153 - 159 [°C]

**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 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.