

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

#### 1.1 Product identifier

Product name : N-Acetyl-L-cysteine  
Product code : GM8803  
CAS number : 616-91-1  
EINECS : 210-498-3

#### 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 Leaffield 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	: N-Acetyl-L-cysteine	MW:	163.20
CAS number	: 616-91-1	MF:	C5H9NO3S
EINECS	: 210-498-3		

---

### 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.

---

### 9.0 Physical and chemical properties

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

Physical Form: Crystalline powder

Colour: White

#### 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 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

---

### 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 Other adverse effects  
Negligible ecotoxicity.

---

**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.

---

**14.0 Transport information**

This product does not require a classification for transport.

---

**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.

---

**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.