

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

### 1.1 Product identifier

Product name : Cyclohexanone, GlenPure™, analytical grade  
Product code : GS3077  
CAS number : 108-94-1  
EINECS : 203-631-1

### 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	: <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

Flam. Liq. 3, Acute Inha. Tox. 4.

### 2.2 Label elements

Label elements under CLP

#### Pictograms



#### Signal words

Danger

#### Hazard statements

H226

Flammable liquid and vapour.

H332

Harmful if inhaled.

#### Precautionary statements

P210

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233

Keep container tightly closed.

P243

Take precautionary measures against static discharge.

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

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

P304 + P340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 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	: Cyclohexanone, GlenPure™, analytical grade	MW: 98.15
CAS number	: 108-94-1	MF : C <sub>6</sub> H <sub>10</sub> O
EINECS	: 203-631-1	

## 4.0 First aid measures

### 4.1 Description of first aid measures

#### Skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

#### Eye contact

Bathe the eye with running water for 15 minutes. Consult a doctor.

#### 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

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. There may be irritation and redness at the site of contact.

##### Eye contact

There may be irritation and redness. There may be pain and redness. The eyes may water profusely.

##### Ingestion

There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. 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. Delayed effects can be expected after long-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

Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Suitable extinguishing media for the surrounding fire should be used.

#### 5.2 Special hazards arising from the substance or mixture

##### Exposure hazards

Highly flammable. May form flammable / explosive dust-air mixture. 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. Notify the police and fire brigade immediately. Eliminate all sources of ignition. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

#### 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. Do not use equipment in clean-up procedure which may produce sparks.

#### 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. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Smoking is forbidden. Use non-sparking tools. Avoid direct contact with the substance.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage conditions

Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Avoid contact with water or humidity. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

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. Ensure lighting and electrical equipment are not a source of ignition.  
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  
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. Stable at room temperature.

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. Hot surfaces. Sources of ignition. Flames.

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. There may be irritation and redness at the site of contact.  
Eye contact  
There may be irritation and redness. There may be pain and redness. The eyes may water profusely.  
Ingestion  
There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. 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. Delayed effects can be expected after long-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.

**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****14.1 UN number**

UN1915

**14.2 UN proper shipping name**

Cyclohexanone

**14.3 Transport hazard class(es)**

3

**14.4 Packing group**

III

**14.5 Environmental hazards**

N/A

**14.6 Special precautions for user**

No special precautions.

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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.