

**Section 1. Identification****1.1 Product Identifier**

CHE2082

Product Name

GLYCINE pure 100g.

CAS Number

56-40-6

REACH Registration No

A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula

 $C_2H_5NO_2 = 75.07$ **1.2 Relevant identified uses of the substance or mixture & uses advised against**

Uses of Material

Chemical for industrial and laboratory use. Not suitable for domestic use.

**1.3 Supplier**

Scientific Laboratory Supplies

Unit 6, Foresters Avenue  
Fairham Business Park  
Fairham  
Nottingham  
NG11 2AF  
UNITED KINGDOM

Phone

Email

**1.4 Emergency Telephone**

(Have this document to hand)

**Section 2. Hazards Identification****2.1 Classification of the substance or mixture**

Classification according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 &amp; UK SI 2020/1567

Not classified as hazardous.

**2.2 Label elements**

Labelling according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 &amp; UK SI 2020/1567

Not classified as hazardous.

**Section 3. Composition****3.1 Substances**

Not classified as hazardous.

**Section 4. First Aid****4.1 Description of first aid measures**

Eyes

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. Get medical advice/attention.

Skin	Thoroughly wash off skin with soap and water. If skin irritation or a rash occurs: Get medical advice/attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if irritation persists.
Ingestion	Do NOT induce vomiting. Get medical advice/attention.
Personal protection for first aiders	Wear protective gloves / eye protection.

#### 4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

Extinguishing Media Water spray, dry sand or soda ash.

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

Hazards May evolve toxic fumes if involved in a fire. carbon monoxide, carbon dioxide, and nitrogen oxides.

### 5.3 Advice for firefighters

Advice for firefighters Fire-fighters should wear protective clothing and breathing apparatus.

## Section 6. Accidental Release Measures

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

Personal Protection Avoid creating dust. Avoid breathing dust. Avoid contact with skin and eyes. Ensure adequate ventilation.

### 6.2 Environmental precautions

Environmental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

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

Major Spillage Sweep up and transfer to a suitable container for disposal. Wash area down with copious amounts of water.

Minor Spillage Wash area down with copious amounts of water.

### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid creating dust. Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Keep away from sources of ignition - No Smoking. Take precautionary measures against static discharge.

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

Keep container tightly closed and in a well ventilated place. Keep container dry.

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

Exposure data source(s) No hazardous components.

## 8.2 Exposure controls

Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory protective equipment
Hand Protection	Use nitrile gloves or PVC gauntlets.
Eye Protection	Use tightly fitting chemical splash proof glasses or goggles.
Skin Protection	Wear suitable protective clothing.
Special Hazards	No special precautions required.

## Section 9. Physical & Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance	White crystalline powder.
pH	Not applicable
Boiling Point	Not available
Melting Point	233 °C(Decomp) 290 °C(Sintered)
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable
Vapour Pressure	Not applicable
Relative Density	1.161
Water Solubility	250 g/L

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

10.1 Reactivity	No data available.
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Avoid raising dust clouds- explosion risk.
10.4 Conditions to Avoid	Keep away from heat / sparks/open flames/hot surfaces - No smoking.
10.5 Incompatible materials	Strong acids, Strong bases. Oxidising agents.
10.6 Hazardous Decomposition Products	carbon monoxide, carbon dioxide, and nitrogen oxides.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

LD50 Skin	Not available
LD50 Oral	Not available
LD50 Inhalation	Not available
TCLo	Not available

## Section 12. Ecological

LC50 Algal	>1000 mg/L Green algae
LC50 Crustacea	>220 mg/L Daphnia magna
LC50 Fish	>1000 mg/L Fish
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available.

<b>12.4</b>	Mobility in soil	No data available.
<b>12.5</b>	Results of PBT & vPvB assessment	Assessment not required.
<b>12.6</b>	Other adverse effects	None known at present.

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

Disposal Methods	Do not dispose of as domestic waste. Do not discharge into drains or rivers. Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated Packaging	Dispose of in the same way as the unused product.

## Section 14. Transport Information

<b>14.1</b>	<b>UN Number</b>	Non-restricted
<b>14.2</b>	<b>Proper Shipping Name</b>	Non-restricted
<b>14.3</b>	<b>Transport classes</b>	
	UN classification	None
	Subsidiary hazard(s)	None
	Transport category	None
	ADR Hazard ID	Non-restricted
	Tunnel Restriction Code	Non-restricted
<b>14.4</b>	<b>Packing Group</b>	None
<b>14.5</b>	<b>Environment hazards</b>	See section 12.
<b>14.6</b>	<b>Special precautions for user</b>	No special precautions required.
<b>14.7</b>	<b>Transport in bulk</b>	Not transported in bulk.

## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

Revision number: 1.0

Revision date: 03 February 2021

Reviewed by chemist: 05 February 2021

Printed date: 18 September 2025

Copyright: 2025 Scientific Laboratory Supplies