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Section 1. Identification

1.1 Product Identifier 0037

Product Name GLYCINE pure

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 Vickers Laboratories Ltd



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Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Not classified as hazardous.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

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.
12.4	Mobility in soil	No data available.
12.5	Results of PBT & vPvB assessment	Assessment not required.
12.6	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

14.1 UN Number	Non-restricted
14.2 Proper Shipping Name	Non-restricted
14.3 Transport classes	
UN classification	None
Subsidiary hazard(s)	None
Transport category	None
ADR Hazard ID	Non-restricted
Tunnel Restriction Code	Non-restricted
14.4 Packing Group	None
14.5 Environment hazards	See section 12.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	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.

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