

GLYCINE (Pure Grade)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name : GLYCINE Pure Grade (AMINO ACETIC ACID)
Product code : PG053
Identification of the product : GLYCINE Pure Grade (AMINO ACETIC ACID)
CAS No :56-40-6
Chemical formula : $\text{NH}_2\text{CH}_2\text{COOH}$

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification

: Hexon Laboratories Pvt. Ltd.
1/14, Govind Building, Ardeshir dadi street,
Charni Road, Mumbai – 400 004.
Ph. No. : 9028003459
E-mail : customercare@hexonlab.com
Web : www.hexonlab.com

2. HAZARDS IDENTIFICATION -DSD

2.1. Classification of the substance or mixture

Not classified.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Not classified.

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Not classified

Labelling Regulation EC 1272/2008 (CLP)

Not classified.

2.3. Other hazards :

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Preparation : GLYCINE (Pure Grade)
CAS No : 56-40-6

GLYCINE (Pure Grade)

Substance.

Contains no other components or impurities which will influence the classification of the product

4. FIRST AID MEASURES

4.1. Description of first aid measures

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| Inhalation | : Assure fresh air breathing. Allow the victim to rest. |
| Skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse |
| Eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. |
| Ingestion | : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.. |

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

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|---------------------------------|---|
| Symptoms relating to use | Not expected to present a significant hazard under anticipated conditions of normal use |
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4.3. Indication of any immediate medical attention and special treatment needed

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| General information | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
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5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

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| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |
| Surrounding fires | : Use water spray or fog for cooling exposed containers. |

5.2. Special hazards arising from the substance or mixture

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| Hazardous combustion products | : Under fire conditions, hazardous fumes will be present. |
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5.3. Advice for fire-fighters

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| Protection against fire | : Do not enter fire area without proper protective equipment, including respiratory protection. |
| Special procedures | : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water To enter environment. |

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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| For emergency responders | Equip cleanup crew with proper protection.
Ventilate area |
| For non-emergency personnel | Evacuate unnecessary personnel. |

6.2. Environmental precautions

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| Environmental precautions | : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters |
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GLYCINE (Pure Grade)

6.3. Methods and material for containment and cleaning up

Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust
Store away from other materials.

6.4. Reference to other sections : See section 8. Exposure controls/personal protection

7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Handling Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work

Technical protective measures Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep only in the original container in a cool, well ventilated place.
Keep container Closed when not in use.

Storage - away from Strong bases. Strong acids. Sources of ignition. Direct sunlight., Heat sources

7.3. Specific end use(s)

Specific end use(s) : None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Exposure controls**

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state at 20 °C : Solid.
Colour : White crystalline
Odour : Odorless
Odour threshold : No data available
pH value : No data available.
Melting point [°C] : 240⁰C
Decomposition point [°C] : N/A
Critical temperature [°C] : N/A
Auto-ignition temperature °C] : N/A
Flammability (solid, gas) : N/A

GLYCINE (Pure Grade)

Flash point [°C]	: N/A
Boiling point [°C]	: 200 ⁰ C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapor pressure [20°C]	: N/A
Vapor pressure mm/Hg	: N/A
Vapor density	: N/A
Density [g/cm ³]	: 1,16
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 25g/100 ml water @ 2
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 4
Viscosity at 40°C [mm ² /s]	: N/A

9.2. Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidizing properties	: No data available

10. Stability and reactivity**10.1. Reactivity**

Reactivity : Not established.

10.2. Chemical stability Chemical stability

: Stable under recommended storage conditions .

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

Products : Fumes. Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity**

- Inhalation : Based on available data, the classification criteria are not met.
- Dermal : Based on available data, the classification criteria are not met.

GLYCINE (Pure Grade)

• Ingestion	: Based on available data, the classification criteria are not met
Corrosion	: Based on available data, the classification criteria are not met.
Irritation	: Based on available data, the classification criteria are not met.
Sensitization	: Based on available data, the classification criteria are not met.
Mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity information : Not established.

12.2. Persistence – degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

14.1. Land transport (ADR-RID)

GLYCINE (Pure Grade)

General information : Not regulated.

14.2. Sea transport (IMDG) [English only]

General information : Not regulated.

14.3. Air transport (ICAO-IATA) [English only]

General information : Not regulated.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

16. OTHER INFORMATION

Revision : Revision - See : *

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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