



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : G 11525
Product Name : Glycine

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755
Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Glycocoll
CAS-No : 56-40-6
Molar Mass : 75.07 EC-No. : 200-272-2
Molecular Formula : $C_2H_5NO_2$

3. HAZARDS IDENTIFICATION : According to the evaluative data available, a classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned is not required

4. FIRST AID MEASURES : After inhalation : fresh air.
After skin contact : wash off with plenty of water .
Remove contaminated clothing
After eye contact : rinse out with plenty of water
With eyelids held open.
After swallowing : summon doctor if feeling unwell.

5. FIRE – FIGHTING MEASURES: Suitable extinguishing media :. In adaption to materials stored in the immediate neighbourhood.
Special risks : Combustible . Development of hazardous combustion gases or vapours possible in the event of fire .
The following may develop in the event of fire:
nitrous gases.
Special protective equipment for fire fighting:
Do not stay in dangerous zone without self- contained breathing apparatus.



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Other Information: Contain escaping vapours with water. Prevent fire fighting water from entering surface water or ground water.

6. **ACCIDENTAL RELEASE MEASURES :** Procedures for cleaning / absorption:
Take up dry. Forward for disposal. Clean up Affected area.
Avoid generation of dusts.

7. **HANDLING AND STORAGE :** Handling : No further requirements.
Storage : Tightly closed . Dry. At +15⁰C to +25⁰C.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal protective equipment

Respiratory protection : not required

Eye protection : required

Hand protection :not required.

Protective clothing should be selected for the Working place depending on concentration and Quantity of the hazardous substance handled.

The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

Industrial hygiene : Wash hands after working with substance.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Form : Solid
Colour : colourless to white
Odour : weak
Melting temperature : 232-236 ⁰C
Boiling temperature : not available
pHvalue
at 10 g/l H₂O(20⁰C) : near 3.1
Ignition temperature : Not available
Flash point : Not available
Explosion limits lower : Not available



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Upper : Not available
Relative vapour density : Not available
Density (20⁰ C) : Not available
Bulk density : ~920 Kg/m³
Solubility in
water (25⁰C) : ~250g/l
Ethanol (25⁰C) : slightly soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : strong heating.
Substance to be avoided: no information available.
Hazardous decomposition products : in the event of fire
Nitrous gases.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD₅₀ (oral, rat) : 7930 mg/Kg.
Further toxicological information
This is a non essential amino acid that occurs in many forms in natural protein. No toxic effects are to be expected when the product is handled appropriately.

12. ECOLOGICAL INFORMATION

Ecotoxic effects

Quantitative data on the ecological effect of this product are not available.
Further ecological data
No ecological problems are to be expected when the product is handled and used with due care and attention.



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13. DISPOSAL METHOD

Product : There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging : Disposal in compliance with official Regulations. Handle contaminated packaging as in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION : Not subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol :

R- Phrases :

S-phrases :

Water pollution class : 0 (non polluting substance)

16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
