



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : V 43209
Product Name : **L-VALINE 99%**

Manufacturer / supplier identification

Company : NICE CHEMICALS PVT.LTD. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact for Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 72-18-4 EC –No. 200-773-6
Molar mass : 117.15 g/mol
Molecular formula : C₅H₁₁NO₂

3. HAZARDS IDENTIFICATION

No hazardous product as specified in Directive 67/548/EEC.

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.

After swallowing : (large amounts) : Consult doctor if feeling unwell.



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5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : Powder, water, foam.

Special risks : Combustible. Formation of hazardous combustion gases or vapours possible in event of fire. The following may develop in event of fire : Nitrous gases.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

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.

Person-related precautionary measures : Avoid generation of dusts; do not inhale 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 :

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection : required when dust are generated.



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Eye protection : required
Hand protection : use recommended
Industrial hygiene : Change contaminated clothing. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid
Colour : off-white
Odour : weak
PH value at 50 g/l H₂O (20⁰C): ~ 5.5 – 6.5
Melting temperature : 315 ⁰C
Boiling temperature : Not available
Ignition temperature : Not available
Flash point : Not available
Explosion limits Lower : Not available
Upper : Not available
Density (20⁰C) : 1.23 g/ cm³
Bulk density : ~ 400 Kg/m³
Solubility in water(20⁰C) : 85 g/l
Ethanol : almost Insoluble
Thermal decomposition : > 190 ⁰C

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 : see chapter 5.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (i.p, rat) : 5390 mg/kg.

Further toxicological information : Essential amino acid. No toxic effects are to be expected when the product is handled appropriately.

Further data : The product should be handled with the care usual when dealing with chemicals.

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.

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 that you corresponding laws and regulations. We recommend 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 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 : No subject to transport regulations.



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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol: -----

R-phrases: -----

S-phrases: -----

16. OTHER INFORMATION

General update.

The information contained here in is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.
