



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 34209
Product Name : **L- ARGININE**

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

CAS-No : 74-79-3 Molecular formula : $C_6H_{14}N_4O_2$
EC-No. : 200-811-1 Molar mass : 174.20

3. **HAZARDS IDENTIFICATION** : Irritating to eyes.

4. **FIRST AID MEASURES** : 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. Make victim drink plenty of water.
Induce vomiting.
After inhalation : Fresh air.

5. **FIRE – FIGHTING MEASURES** : Suitable extinguishing media : Water, foam
Special risks : Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in the event of fire: nitrous gases



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6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Cleanup affected area.

Person related precautionary measures : Avoid generation of dusts. Do not inhale dusts.

Environmental-protection measure : Do not allow to enter sewage system.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment :

Respiratory protection : Required when dusts are generated .

Eye protection : Required

Hand protection : Required

Industrial hygiene : Change contaminated clothing. Wash hands after working with substance .

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid
Colour : Off-white
Odour : Weak
Melting temperature : 216-218⁰ C
Boiling temperature : Not available
pH value 100g/l H₂O(20⁰ C) : ~11.4
Ignition temperature : Not available
Flash point : Not applicable



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Explosion limits lower : Not available
Upper : Not available
Relative vapour density : Not available
Density (20⁰ C) : Not available
Solubility in water(20⁰C) : 148.7 g/l

10. STABILITY AND REACTIVITY : Conditions to be avoided : No information available
Substance to be avoided : No information available
Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: very low acute toxicity in animal experiments.

LD₅₀(oral, rat) : > 5110 mg/Kg

Further toxicological information :

This is a semi-essential amino acid that occurs in natural protein..
therapeutically used substance.

After eye contact : Irritations.

After skin contact : Irritations.

Further data : Further hazardous properties cannot be excluded. The
product should be handled with the care usual dealing with chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxic effects: quantitative data on the ecological effect of this product are not available.

Readily biodegradable.

Further ecologic 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 : 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 .

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 subjected to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xi Irritant
R- Phrases : 36 Irritating to eyes
S-phrases : 26 In case of contact with eyes, rinse immediately with –
plenty of water and seek medical advice.

Water pollution class : 0 (non polluting)

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.
