



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 34309  
Product Name : L- Aspartic acid

### 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

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 56-84-8 Molecular formula :  $C_4H_7NO_4$   
EC-No. : 200-291-6 Molar mass : 133.10

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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.

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4. **FIRST AID MEASURES** : After skin contact : wash off with plenty of water  
After eye contact : rinse out with plenty of water with eyelids held open .  
After swallowing : summon doctor .  
After inhalation: fresh air.

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

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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.

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**7. HANDLING AND STORAGE :** Handling : No further requirements.  
Storage : Tightly closed . Dry. At +15<sup>0</sup> C to+25<sup>0</sup> C

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION :** Personal protective equipment

Respiratory protection : required when dusts are generated .  
Eye protection : required  
Hand protection : 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 : Change contaminated clothing . Wash hands after working with substance .

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : solid  
Colour : white  
Odour : weak  
Melting temperature : 269-271<sup>0</sup> C  
Boiling temperature : not available  
PHvalue : 2.5-3.5  
Ignition temperature : Not available  
Flash point : not applicable  
Explosion limits lower : Not available  
Upper : Not available  
Relative vapour density : Not available  
Density (20<sup>0</sup> C ) : not available



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Solubility in

water( 20<sup>0</sup>C) : 4 g/l  
water ( 75<sup>0</sup>C) : 48 g/l

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**10. STABILITY AND REACTIVITY** : Conditions to be avoided : heating  
Substance to be avoided : no information available  
Hazardous decomposition products : The following may develop in the event of fire: nitrous gases

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**11. TOXICOLOGICAL INFORMATION**

Acute toxicity: Quantitative data on the toxicity of this product are not available.

Further toxicological information

Naturally occurring substance. This is a non-essential amino acid that occurs in many forms in natural protein.. Property which must be anticipated on the basis of chemical/ physical data:

After eye contact: irritations.

No toxic effects are to be expected when the product is handled appropriately.

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

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**

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 .



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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.

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**14. TRANSPORT INFORMATION :** not subjected to transport regulations.

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**15. REGULATORY INFORMATION**

Labelling according to EC Directives

Symbol :

R- Phrases :

S-phrases :

Water pollution class : 0 (non polluting)

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**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.

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