



# SAFETY DATA SHEET

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

Catalogue No. : A 34109  
Product Name : L-Alanine

### 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 : 31796-55-1 Molecular formula :  $C_9 H_{12} ClN_3 O_3$   
EC-No. : 250-811-0 Molar mass : 245.67

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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 . remove contaminated clothing.  
After eye contact : rinse out with plenty of water with eyelids held open .  
After swallowing : make victim drink plenty of water. Induce vomiting.  
Summon doctor if feeling unwell  
After inhalation: fresh air.

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5. **FIRE – FIGHTING MEASURES:** Suitable extinguishing media : water, foam, powder, CO<sub>2</sub>  
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: HCl, nitrogen oxides.  
Other information: contain escaping vapours with water. Prevent fire fighting water from entering ground water or surface water.  
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.

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**7. HANDLING AND STORAGE :** Handling : No further requirements.  
Storage : Tightly closed . 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  
Industrial hygiene : Change contaminated clothing . Wash hands after working  
with substance .

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : solid  
Colour : greenish yellow  
Odour : weak  
Melting temperature : not available  
Boiling temperature : not available  
pH value  
at 50g/l H<sub>2</sub>O(25<sup>0</sup>C) : not available  
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) : ~4 g/ cm<sup>3</sup>  
Bulk density : 252 Kg/m<sup>3</sup>  
Solubility in  
water(20<sup>0</sup>C) : freely soluble

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**10. STABILITY AND REACTIVITY** : Conditions to be avoided : none  
Substance to be avoided: no information available.  
Hazardous decomposition products : in the event of fire: HCl, nitrogen oxides.

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## **11. TOXICOLOGICAL INFORMATION**

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

Further toxicological information

Property that cannot be excluded on the basis of this structure- effect considerations: methaemoglobinaemia with headache, cardiac arrhythmia, drop in blood pressure, dyspnoea and spasms, key symptom: cyanosis ( blue coloration of the blood)

Further data:

Hazardous properties cannot be excluded but are unlikely 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: do not allow to enter waters, waste waters or soil.

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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 subject to transport regulations

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**15. REGULATORY INFORMATION**

Labelling according to EC Directives

Symbol :

R- Phrases :

S-phrases :

Water pollution class : 2 (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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