



# SAFETY DATA SHEET

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

Catalogue No. : C 15325  
Product Name : CINNAMIC ACID FOR SYNTHESIS

### 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

Synonyms : 3-Phenylacrylic acid, trans-3-Phenylpropenoic acid  
CAS-No : 621-82-9 Ec-Index No. :  
Molar Mass : 148.16 EC-No. : 210-708-3  
Molecular Formula : C<sub>9</sub>HgO<sub>2</sub>

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**3. HAZARDS INDEX** : Irritating to skin.

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## 4. FIRST AID MEASURES

After inhalation : Fresh air. Consult doctor if feeling unwell.  
After skin contact : Wash off under running water.  
After eye contact : Rinse out with plenty of water. If pain persists,  
Summon eye specialist.



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After swallowing : Make victim drink plenty of water, induce vomiting, summon doctor if feeling unwell.

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### **5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water, foam, powder.

Fire extinguisher water, powder for glowing fire, Carbon Dioxide.

Special risks : Combustible. Danger of dust explosion. Development of hazardous combustion gases or vapours possible in the event of fire.

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

Other information : Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

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### **6. ACCIDENTAL RELEASE MEASURES**

Person - related precautionary measures : Avoid substance contact. Avoid generation of dusts, do not inhale dusts.

Environmental-protection measures : Do not allow to enter sewerage system.

Procedures for cleaning/absorption : Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

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### **7. HANDLING AND STORAGE**

Handling - No further requirements.

Storage - Tightly closed. Dry. Storage temperature : No restrictions.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : required when dusts are generated.

Eye Protection : required

Hand Protection : required

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.

Other protective equipment : Suitable protective clothing.

Industrial hygiene : Change contaminated clothing. Wash hands after working with substance. Application of skin-protective barrier cream recommended.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder, fine crystalline

Colour : White

Odour : weakly aromatic

pH value at 0.4g/1 H<sub>2</sub>O (20° C) : 3 - 4

Melting temperature : 131 - 134° C

Boiling temperature : 300° C

Ignition temperature : Not available

Flash Point : 160° C

Explosion limit lower : Not available

upper : Not available

Relative vapour density : Not available



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Density (20 ° C) : 1.24 - 1.25 g/cm<sup>3</sup>  
Solubility in ether (20 ° C) : Soluble  
acetone (20 ° C) : Soluble  
water (20 ° C) : 0.4 g/l  
Thermal decomposition : >146 ° C

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : None.

Substances to be avoided : Strong alkalis, strong acids, strong oxidizing agents.

Hazardous decomposition products : None.

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### 11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD<sub>50</sub> (oral, rat) : 2500 mg/kg :

LD<sub>50</sub> (dermal, rabbit) : > 5000mg/kg

Further toxicological information

After skin contact : Irritations.

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

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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

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 house-hold waste or recycled. There are no uniform EC Regulations for the disposal of chemical or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

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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 : Xi Irritant

R-phrases : 38 Irritating to skin.

S-phrases : ---

Water pollution class : 1 (slightly polluting substance) (own classification)

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### 16. OTHER INFORMATION

Reason for alteration

Change in water pollution class.

General update.

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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