

Date of Issue: **March, 2002**

Material Safety Data Sheet
Hazardous according to criteria of NOHSC

Product Code: **P20271**
Cinnamic acid

Merck Pty. Limited
A.C.N. 005 064 791
207 Colchester Road
Kilsyth, Vic 3137, Australia
Telephone: +61 (0) 3 9728 5855
Fax: +61 (0) 3 9728 1351
Emergency Telephone: +61 (0) 3 9728 7602
Business Hours: 8:15am to 6:00pm
Monday through Friday

Identification

Product Name: Cinnamic acid

Other Names: Not Applicable

Organic solid

Product Code: P20271

UN Number: Not subject to transport regulations.

Dangerous Goods Class & Subsidiary
Risk: None allocated.

Packaging Group: None allocated.

Hazchem Code: None allocated.

Poisons Schedule Number: Not Applicable

Use: General laboratory reagent.

Physical Description and Properties

Colour: white

Form: solid

Odour: weak

Boiling Point: 300°C

Melting Point: 133°C

Vapour Pressure: No data

Vapour Density: No data

Flash Point (Open Cup): No data.

Upper Flammability Limit: No data

Lower Flammability Limit: No data

Ignition Temperature: Not applicable

Log P (o/w): No data

Specific Gravity or Density: 1.25

Viscosity: Not Applicable

Solubility in Water: Practically insoluble

pH: Not Applicable

Other Information: Combustible.
Stable.

Conditions / Substances to be avoided: No data

Ingredients

Chemical Name	CAS Number	Proportion
Cinnamic acid	621-82-9	100 %

All constituent chemicals are listed in the Australian Inventory of Chemical Substances (AICS)

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Health Hazard Information

Toxicological Information: LD50 2500 mg/kg oral, rat. No evidence of carcinogenic properties.
No evidence of mutagenic or teratogenic effects.

Carcinogen Category: No evidence of carcinogenic properties.

Mutagen Category: No evidence of mutagenic properties.
No evidence of teratogenic effects.

Teratogen Category: After skin contact: Irritation.
After eye contact: Irritation.

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First Aid Information

Eye contact: Hold eyes open, flood with water for at least 15 minutes and see a doctor.

Inhalation: Remove from exposure.

Skin contact: Wash off thoroughly with soap and water.

Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention. Contact a doctor or Poisons Information Centre. Phone 13 1126.

First Aid Facilities: Safety shower. Eyewash facilities.

Advice to Doctor: Treat symptomatically.

Precautions For Use:

NOHSC Australia Exposure Standards:

TWA

STEL

Peak Limit: N/A

Carcinogen Limit: N/A

Protective Measures:

As appropriate to quantity handled.

Respirator: Dust respirator. Ensure respirator is clean, well-fitting and in good working order. All respirators should comply with Australian Standard AS 1716 and be used in accordance with AS 1715.

Engineering Controls &
Personal Protection:

Ventilation: Extraction hood.

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

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Safe Handling Information:

Storage: Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

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Handling: No special handling conditions specified.

Transport:

UN Number: Not subject to transport regulations.

Dangerous Goods Class & Subsidiary
Risk: None allocated.

Packaging Group: None allocated.

Other Names: Not Applicable

Spillage and Disposal:

Wear appropriate protective clothing. Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

Chemical residues are generally classified as special waste, and as such are covered by regulations, which vary according to location. We strongly recommend that you retain the services of a licensed Waste Disposal Company to dispose of your waste.

Rinse out empty containers thoroughly before disposal or recycling.

The containers recommended A, B, C etc allow for the consolidation of similar types of waste prior to professional disposal.

Aqueous solutions of organic acids should be carefully neutralised with sodium hydrogen carbonate (Cat. No. 1.06323) or with sodium hydroxide (Cat. No. 1.06462). Before filling into container D, check the pH with pH universal indicator strips (Cat. No. 1.09535). Aromatic carboxylic acids should be precipitated with dilute hydrochloric acid and vacuum-filtered off. Precipitate: container C; filtrate: container D.

Fire and Explosion:

Flammability: Combustible.

Suitable Extinguishing Media: Water spray, foam, dry powder or carbon dioxide

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Other Information:

Hazard Symbol: Xi

Risk Codes: R36
Irritating to eyes.

Safety Codes: S25
Avoid contact with eyes.

Biologic degradation:
Biodegradable.

Ecotoxic effects:
Ecological Information: Quantitative data on the ecological effect of this product are not available.

Further ecologic data:

Further ecologic data.

No ecological problems are to be expected when the product is handled and used with due care and attention.

Key to Hazard Symbols: Xn=Harmful, Xi=Irritant, T=Toxic, T+=Very Toxic, C=Corrosive, F=Flammable, F+=Very Flammable, E=Explosive, N=Dangerous for the Environment, H=NOHSC undefined hazardous substance

Contact Point:

Operations Manager

(03) 9728 5855

Monday through Friday, 8:00am to 5:00pm (EST)

Manufacture's Advice:

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other product. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request