Cinnamic Acid
MSDS# 90207

Section 1 - Chemical Product and Company Identification

MSDS Name: Cinnamic Acid
Catalog Numbers: C/6100/48, C/6100/50
Synonyms: Phenylacrylic acid; 3-Phenylacrylic acid; 3-Phenyl-2-propenoic acid.
Company Identification: Fisher Scientific UK
Bishop Meadow Road, Loughborough
Leics. LE11 5RG
For information in Europe, call: (01509) 231166
Emergency Number, Europe: 01509 231166

Section 2 - Composition, Information on Ingredients

CAS#: 621-82-9
Chemical Name: Cinnamic Acid
%: 100 %
EINECS#: 210-708-3

Hazard Symbols: XI
Risk Phrases: 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Irritating to eyes, respiratory system and skin.
Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.
Chronic: No information found.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes,
occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.
Never give anything by mouth to an unconscious person. Get medical
Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:  

Section 5 - Fire Fighting Measures

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:
Use foam, dry chemical, or carbon dioxide.

Section 6 - Accidental Release Measures

General Information:
Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Vacuum or sweep up material and place into a suitable disposal container. Reduce airborne dust and prevent scattering by moistening with water. Clean up spills immediately, observing precautions in the Protective Equipment section.

Section 7 - Handling and Storage

Handling:
Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage:
Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:
Use adequate ventilation to keep airborne concentrations low.

Exposure Limits
CAS# 621-82-9:

Personal Protective Equipment

Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:  Solid
Color:  white
Odor:  Honey floral odor.
pH: Not available
Vapor Pressure: Not available
Viscosity: Not available
Boiling Point: 300 deg C (572.00 F)
Freezing/Melting Point: 133 deg C (271.40 F)
Autoignition Temperature: Not applicable
Flash Point: 212 deg F (100.00 deg C)
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: Insoluble in water.
Specific Gravity/Density: Not available.
Molecular Formula: C9H8O2
Molecular Weight: 148.0548

Section 10 - Stability and Reactivity

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials.
Incompatibilities with Other Materials
Not available
Hazardous Decomposition Products
Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization
Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 621-82-9: GD7800000
LD50/LC50: RTECS: CAS# 621-82-9: Draize test, rabbit, skin: 500
mg/24H Mild; Oral, mouse: LD50 = 5 gm/kg; Oral, rat: LD50 = 2500 mg/kg;
Carcinogenicity:
\textit{Cinnamic Acid -}
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:
See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Products considered hazardous for supply are classified as Special
Waste and the disposal of such chemicals is covered by regulations
which may vary according to location.
Contact a specialist disposal company or the local authority or
advice. Empty containers must be decontaminated before returning for
recycling.

Section 14 - Transport Information

IATA
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:
IMO
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:
RID/ADR
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information
European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XI
Risk Phrases:
R 36/37/38 Irritating to eyes, respiratory system and skin.
Safety Phrases:
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 37/39 Wear suitable gloves and eye/face protection.
WGK (Water Danger/Protection)
CAS# 621-82-9: 1
Canada
CAS# 621-82-9 is listed on Canada's DSL List
US Federal
TSCA
CAS# 621-82-9 is listed on the TSCA Inventory.

Section 16 - Other Information
MSDS Creation Date:
12/12/1997
Revision #4 Date
5/16/2007
Revisions were made in Sections:
2, 3, 15
The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

---

---