

SILVER FERN CHEMICAL



Safety Data Sheet

Cinnamic Acid

SECTION 1: IDENTIFICATION

Product Name: Cinnamic Acid

CAS Number: 140-10-3

Chemical Name: trans-Cinnamic acid

Synonyms: (E)-3-Phenyl-2-propenoic acid; (E)-Cinnamic acid; 2-Propenoic acid, 3-phenyl- (E)-; trans-3-Phenylacrylic acid; trans-beta-Carboxystyrene

Company

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24 Hour Emergency Contact

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SECTION 2: HAZARD IDENTIFICATION

Warning



H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Content (W/W)	Ingredients
140-10-3	100%	Cinnamic Acid



SECTION 4: FIRST AID MEASURES

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically. Move out of dangerous area.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the chemical: Carbon oxides

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

See section 9 for additional information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: See Section 8 for recommendations on the use of personal protective equipment. Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions: Do not flush product into public sewer, water systems or surface waters.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling: As with any chemical product, use good laboratory/workplace procedures. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment (PPE)

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min

Body protection: Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General protection: Eyewash fountains and safety showers are recommended in the work area.

Control of environmental exposure
Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Tan or Beige Crystalline
Odor	no data available
pH	no data available
Melting point/freezing Point	Melting point/range: 132 - 135 °C (270 - 275 °F) - lit.
Initial boiling point and boiling range	300 °C (572 °F) - lit.
Flash point	100 °C (212 °F) - closed cup
Upper/lower flammability or explosive limits	no data available
Solubility	no data available
Vapor pressure	no data available
Vapor Density	no data available
Relative Density	1.248 g/cm ³
Auto-ignition temperature	no data available
Decomposition temperature:	no data available
Viscosity:	no data available
Surface tension	no data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: no data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: no data available

Conditions to avoid: no data available

Incompatible materials: Strong oxidizing agents

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Inhalation: Inhalation may cause irritation of the respiratory tract and mucous membranes.

Eyes: Eye contact may cause severe irritation with redness, pain, and blurred vision.

Skin: May cause skin irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion: May be harmful if swallowed. Ingestion may cause irritation.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Additional Information

RTECS: GD7850000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

trans-Cinnamic acid	CAS-No.
	140-10-3

New Jersey Right To Know Components

trans-Cinnamic acid	CAS-No.
	140-10-3

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H319	Causes serious eye irritation.

H335 May cause respiratory irritation.
Skin Irrit. Skin irritation
STOT SE Specific target organ toxicity - single exposure

HMIS Rating

Health hazard: 2
Chronic Health Hazard:
Flammability: 1
Physical Hazard 0

NFPA Rating

Health hazard: 2
Fire Hazard: 1
Reactivity Hazard: 0

DISCLAIMER OF RESPONSIBILITY

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