

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 4-Bromocinnamic acid
Synonyms:
Company Identification: PI Chemicals Ltd.
Building B, 633 E Shan Road, Pudong New Area
Shanghai 200127, China
Telephone Number: 86-21-58953700
Fax Number: 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-32826
CAS Number: 1200-07-3
EC Number: 214-850-7
MDL Number: MFCD00004394
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Powder
Color: Pale yellow to white
Molecular Formula: $C_9H_7BrO_2$
Molecular Weight: 227.05
Freezing/Melting Point: 262 - 264 °C (504 - 507 °F) - lit.
Boiling Point: Undetermined
Flash Point: Undetermined
Ignition temperature: Undetermined
Refractive Index (nD20): Undetermined
Density: Undetermined
Decomposition Temperature: Undetermined
Solubility: Undetermined

Section 4 - Hazards Identification

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Cause eye irritation.
Ingestion: Toxic if swallowed.

Section 5 - First Aid Measures

- General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.
- In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. **If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 6 - Stability and Reactivity

- Chemical Stability:** Stable under recommended storage conditions.
- Materials to Avoid:** Strong oxidizing agents, Strong bases.
- Hazardous Decomposition Products:** Carbon oxides, Hydrogen bromide gas.

Section 7 - Handling and Storage

- Handling:** 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 - Personal Protection

- Respirators:** 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).
- Eye 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).
- Hand 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.
- Skin and body protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Fire and Explosion Hazard Data

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

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

Section 10 - Accidental Release Measures

Personal precautions: 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 let product enter drains.

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

Section 11 - Toxicological Information

RTECS#: CAS#1200-07-3: UD3110000.

LD50/LC50: RTECS # UD3110000.

Carcinogenicity: 4-Bromocinnamic acid -Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

IATA: Not dangerous goods.

IMO: Not dangerous goods.

RID/ADR: Not dangerous goods.

Section 15 - Regulatory Information

Hazard Symbols: Xn

Indication of Danger: Harmful

Risk Phrases:

R 22: Harmful if swallowed.

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.

Section 16 - Additional Information

MSDS Creation Date: 9 August, 2009

Update: 8 April, 2011

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