

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

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|--------------------------------|---|
| MSDS Name: | 4-Triylaniline |
| Synonyms: | 4-Triphenylmethylaniline |
| 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-17630 |
| CAS Number: | 22948-06-7 |
| MDL Number: | MFC00007898 |
| EC Number: | 245-346-5 |
| Purity: | 98% |

Section 3 - Physical and Chemical Properties

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|--|-----------------------------------|
| Physical state: | Powder |
| Color: | Grey |
| Molecular Formula: | C ₂₅ H ₂₁ N |
| Molecular Weight: | 335.44 |
| Freezing/Melting Point: | 255 - 257 °C (491 - 495 °F) |
| Boiling Point: | Undetermined |
| Flash Point: | Undetermined |
| Autoignition Temperature: | Undetermined |
| Refractive Index (n_D20): | Undetermined |
| Density: | Undetermined |
| Decomposition Temperature: | Undetermined |
| Solubility: | Undetermined |

Section 4 - Hazards Identification

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|--------------------|--|
| Eye: | Causes eye irritation. |
| Skin: | Causes skin irritation. Harmful if absorbed through the skin. |
| Ingestion: | May cause irritation of the digestive tract. Toxic if swallowed. |
| Inhalation: | May be harmful if inhaled. Causes respiratory tract irritation. |

Section 5 - First Aid Measures

- Eye:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Skin:** Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.
- Ingestion:** Get medical aid immediately. Wash mouth out with water.
- 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.

Section 6 - Stability and Reactivity

- Chemical Stability:** Stable under recommended temperatures and pressures.
- Materials to avoid:** Strong oxidizing agents.
- Hazardous Decomposition Products:** Carbon oxides and nitrogen oxides.
- Hazardous Polymerization:** Has not been reported.

Section 7 - Handling and Storage

- Handling:** Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required.
- Storage:** Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Personal Protection

- Eyes:** Wear appropriate protective eyeglasses.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

- General Information:** As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.
- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - 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.

Section 11 - Toxicological Information

RTECS#: CAS#22948-06-7: CY1220000.
LD50/LC50: RTECS: CY1220000.
Carcinogenicity: 4-Tritylaniline –Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: Not dangerous goods.
IMO: Not dangerous goods.
RID/ADR: Not dangerous goods.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

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#22948-06-7: 3

US Federal

TSCA

CAS# 22948-06-7 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: 13 August, 2007

Update:

22 September, 2011

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