

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 1-Ethynyl-4-methoxybenzene
Synonyms: 4-Ethynylanisole
Company Identification: PI Chemicals Ltd.
Room 512, Building 1
88 Cailun Road, Zhangjiang Hi-Tech park,
Pudong New Area, Shanghai 201203, China
Telephone Number: 86-21-58953700
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Section 2 - Product Information

Catalog Number: PI-30919
CAS Number: 768-60-5
MDL number: MFCD00168815
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Crystal or transparency liquid
Color: Light yellow
Odor: Not available
Molecular Formula: C₉H₈O
Molecular Weight: 132.16
Freezing/Melting Point: 28-29 °C(lit.)
Boiling Point: 87-91 °C11 mm Hg(lit.)
Flash Point: 180 °F
Autoignition Temperature: Not available
Refractive Index (n_D20): n₂₀/D 1.563(lit.)
Density: 1.019 g/mL at 25 °C(lit.)
Decomposition Temperature: Not available
Solubility: Not available

Section 4 - Hazards Identification

Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin.
Ingestion: May be harmful 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 normal temperatures and pressures.
- Materials to avoid:** Strong oxidizing agents, light sensitive.
- Conditions to avoid:** Incompatible materials.
- Hazardous Decomposition Products:** Carbon monoxide, and carbon dioxide.
- Polymerization:** Will not occur.

Section 7 - Handling and Storage

- Handling:** Avoid all direct contact with material. Wash thoroughly after handling. Have safety shower and eye wash available. Do not get in eyes, on skin, on clothing.
- Storage:** Store in cold place, Keep container tightly closed in a dry and well-ventilated place. Avoid sources of ignition and light.

Section 8 - Personal Protection

- 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 - 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# 768-60-5: None listed

LD50/LC50: RTECS: Not available.

Carcinogenicity: 1-Ethynyl-4-methoxybenzene - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: The toxicological properties have not been fully investigated.

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

ADR/RID: This substance is considered to be non-hazardous for air transport.

IMDG: This substance is considered to be non-hazardous for air transport.

IATA: This substance is considered to be non-hazardous for air transport.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn, F

Indication of Danger: Not available

Risk Statements:

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

Safety Statements:

S24/25- Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 768-60-5: 3

Canada

CAS#768-60-5: Not available

US Federal

TSCA

CAS# 768-60-5 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: **May 20, 2009**
Update: **original**
Note: **For R&D use only.**

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