

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** 4-Ethylcatechol  
**Synonyms:** 3,4-Dihydroxyethylbenzene  
**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-19057  
**CAS Number:** 1124-39-6  
**MDL Number:** MFCD00015847  
**EC Number:** 214-397-5  
**Purity:** 98%

### Section 3 - Physical and Chemical Properties

**Physical state:** Solid  
**Color:** White to off-white  
**Molecular Formula:** C<sub>8</sub>H<sub>10</sub>O<sub>2</sub>  
**Molecular Weight:** 138.16  
**Freezing/Melting Point:** 34 - 45 °C (93 - 113 °F)  
**Boiling Point:** Undetermined  
**Flash Point:** > 110 °C (> 230 °F) - closed cup  
**Autoignition Temperature:** Undetermined  
**Refractive Index (nD20):** Undetermined  
**Density:** Undetermined  
**Decomposition Temperature:** Undetermined  
**Solubility:** Undetermined

### Section 4 - Hazards Identification

**Eye:** Causes eye irritation.  
**Skin:** Causes skin irritation. Harmful if absorbed through the skin.  
**Ingestion:** Harmful if swallowed.  
**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

## **Section 5 - First Aid Measures**

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

## **Section 6 - Stability and Reactivity**

|                                          |                                                      |
|------------------------------------------|------------------------------------------------------|
| <b>Chemical Stability:</b>               | Stable under recommended temperatures and pressures. |
| <b>Materials to avoid:</b>               | Oxidizing agents.                                    |
| <b>Hazardous Decomposition Products:</b> | Carbon oxides.                                       |
| <b>Hazardous Polymerization:</b>         | Has not been reported.                               |

## **Section 7 - Handling and Storage**

|                  |                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Mechanical exhaust required. Normal measures for preventive fire protection. |
| <b>Storage:</b>  | Keep container tightly closed in a dry and well-ventilated place.                                                                                      |

## **Section 8 - Personal Protection**

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

## **Section 9 - Fire Fighting Measures**

|                             |                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Information:</b> | 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. |
| <b>Extinguishing Media:</b> | 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# 1124-39-6: Not available.

**LD50/LC50:** RTECS: Not available.

**Carcinogenicity:** 4-Ethylcatechol –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: Xn

Indication of Danger: Harmful

Risk Phrases:

R 22: Harmful if swallowed.

R 37/38: Irritating to respiratory system and skin.

R 41: Risk of serious damage to eyes.

Safety Phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 39: Wear eye/face protection.

WGK (Water Danger/Protection)

CAS#1124-39-6: 3

US Federal

**TSCA**

CAS# 1124-39-6 is not listed on the TSCA Inventory. It is for research and development use only.

***Section 16 - Additional Information***

***MSDS Creation Date:*** 18 April, 2008

***Update:*** 11 August, 2011

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