

## Material Safety Data Sheet

### Section 1 - Chemical Product and Company Identification

MSDS Name: 4-Ethylphenylacetone  
Synonyms: 1-(4-Ethylphenyl)propan-2-one  
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-15443  
CAS Number: 75251-24-0  
MDL Number: MFCD00210429  
EC Number: Undetermined  
Purity: 99.0%

### Section 3 - Physical and Chemical Properties

Physical state: Liquid  
Color: Pale yellow  
Molecular Formula:  $C_{11}H_{14}O$   
Molecular Weight: 162.23  
Freezing/Melting Point: Undetermined  
Boiling Point: Undetermined  
Flash Point: Undetermined  
Autoignition Temperature: Undetermined  
Refractive Index ( $n_D^{20}$ ): 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: May cause irritation of the digestive tract. Toxic if swallowed.  
Inhalation: May be harmful if inhaled. Cause 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.
- Conditions to Avoid:** Has not been reported.
- Hazardous Decomposition Products:** Carbon 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. Keep away from sources of ignition - No smoking.
- Storage:** Store in a cool, dry place. Store in a tightly closed container.

## **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, alcohol-resistant foam, dry chemical or carbon dioxide.

## **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# 75251-24-0: Not available.

*LD50/LC50:* Not available.

*Carcinogenicity:* 4-Ethylphenylacetone - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

### ***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

Signal word: Xi

Hazard statement(s)

H302 Harmful if swallowed.

Risk Phrases:

R 22: Harmful if swallowed.

Safety Phrases:

S 36/37: Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection)

CAS# 75251-24-0: 3

Canada

CAS# 75251-24-0: Not available

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US Federal

TSCA

CAS# 75251-24-0 is not listed on the TSCA Inventory. It is for research and development use only.

**Section 16 - Additional Information**

MSDS Creation Date: Feb 11, 2007

Update: Apr 23, 2012

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