

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name:	(1-Ethoxycarbonylethylethylidene)Triphenylphosphorane
Synonyms:	Ethyl 2-(triphenylphosphoranylidene)propionate
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-26751
CAS Number:	5717-37-3
MDL Number:	MFCD00009160
EC Number:	227-215-4
Purity:	98%

Section 3 - Physical and Chemical Properties

Physical state:	Powder
Color:	Pale yellow
Molecular Formula:	C ₂₃ H ₂₃ O ₂ P
Molecular Weight:	362.40
Freezing/Melting Point:	158 - 162 °C (316 - 324 °F)
Boiling Point:	Not determined
Flash Point:	Not determined
Autoignition Temperature:	Not determined
Refractive Index (nD20):	Not determined
Density:	Not determined
Decomposition Temperature:	Not determined
Solubility:	Not determined

Section 4 - Hazards Identification

Eye:	Causes serious 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 several minutes. Get medical aid.
- Skin:** Flush skin with plenty of water and soap for several and rinse thoroughly.
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 required, give artificial respiration. Get medical aid if symptoms persist.

Section 6 - Stability and Reactivity

- Chemical Stability:** Stable under recommended temperatures and pressures.
- Materials to avoid:** Strong oxidizing agents.
- Conditions to Avoid:** No data available.
- Hazardous Decomposition Products:** Carbon oxides, phosphorus oxides.
- Hazardous Polymerization:** Has not been reported.

Section 7 - Handling and Storage

- Handling:** Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- Storage:** Store in cool, dry conditions in well sealed container. Keep container tightly sealed.
Recommended storage temperature: 2 - 8 °C.

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 Fighting Measures

- 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:** 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# 5717-37-3: Not available.
LD50/LC50: RTECS: Not available.
Carcinogenicity: (1-Ethoxycarbonylethylethylidene)Triphenylphosphorane - Not listed as a carcinogen by ACGIH, IARC, NTP, OSHA or EPA.

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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: Wear suitable gloves.

S 39: Wear eye/face protection.

WGK: 3

US Federal

TSCA

CAS# 5717-37-3 is not listed on the TSCA Inventory. It is for research and development use

only.

Section 16 - Additional Information

MSDS Creation Date: August 15 , 2008

Update: March 7,2010

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