

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: ethyl 3-oxo-3-(furan-3-yl)propanoate
Synonyms:
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-17875
CAS Number: 36878-91-8
MDL Number: MFCD00011566
EC Number: Not available
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Liquid
Color: Clear
Molecular Formula: C₉H₁₀O₄
Molecular Weight: 182.17
Freezing/Melting Point: Not available
Boiling Point: 113 - 116 °C (235 - 241 °F) at 5 hPa (4 mmHg) - lit.
Flash Point: > 113.00 °C (> 235.40 °F) - closed cup
Autoignition Temperature: Not available
Refractive Index (nD20): Not available
Density: 1.153 g/mL at 25 °C (77 °F)
Decomposition Temperature: Not available
Solubility: Not available

Section 4 - Hazards Identification

Eye: May cause eye irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Section 5 - First Aid Measures

- Eye:** Flush eyes with water as a precaution.
- Skin:** Wash off with soap and plenty of water.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Section 6 - Stability and Reactivity

- Chemical Stability:** Stable under recommended storage conditions.
- Materials to avoid:** Strong oxidizing agents.
- Conditions to Avoid:** Not available.
- Hazardous Decomposition Products:** Carbon oxides.
- Hazardous Polymerization:** Has not been reported.

Section 7 - Handling and Storage

- Handling:** Normal measures for preventive fire protection.
- Storage:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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# 36878-91-8: Not available.

LD50/LC50: RTECS # Not available.

Carcinogenicity: ethyl 3-oxo-3-(furan-3-yl)propanoate -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: This substance is considered to be non-hazardous for transport.

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

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

Section 15 - Regulatory Information

OSHA Hazards

No known OSHA hazards

DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold

(De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Ethyl beta -oxo-3-furanpropionate**CAS#36878-91-8****New Jersey Right To Know Components****Ethyl beta -oxo-3-furanpropionate****CAS#36878-91-8****California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Additional Information

MSDS Creation Date: **April 5, 2009****Update:** **15 December, 2010**

The above information is believed to be accurate and represents the best knowledge available to us currently. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall PI Chemicals, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, even if PI Chemicals has been advised of the possibility of such damages.