Section 1 - Product and Company Information

Product Name: Phenethyl acetate, 99%
Product Number: 290580
Brand: Aldrich Chemical
Company: Sigma-Aldrich
Street Address: 3650 Sage Street
City, State, Zip, Country: SAIN LOUIS, MO 63103 US
Technical Phone: 800-325-5832
Fax: 800-325-5002
Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
<th>EC No</th>
<th>Annex I Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-PHENYLETHYL ACETATE</td>
<td>103-45-7</td>
<td>No</td>
<td>253-113-5</td>
<td></td>
</tr>
</tbody>
</table>

Formula: C10H12O2
Synonyms: Acetic acid, 2-phenylethyl ester, benzylcarbonyl acetate, Ethanol, 2-phenyl-, acetate, Phenethyl acetate, beta-Phenethyl acetate, 2-Phenylethyl acetate, beta-Phenethyl acetate, 2-Phenylethyl acetate

Section 3 - Hazards Identification

HMIS Rating
Health: 0
Flammability: 0
Reactivity: 0

NFPA Rating
Health: 0
Flammability: 0
Reactivity: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure
In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Flash Point: 221 °F
105 °C

Autoignition Temp: N/A

Extinguishing Media
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting Equipment
Suitable: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emit toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Methods for Cleaning Up
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable: Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment
Respiratory
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or EN 14397 respirator cartridges.

Hand
Protective gloves.

Eye
Chemical safety goggles.

Section 9 - Physical/Chemical Properties

Appearance
Physical State: Clear liquid
Color: Colorless

Aldrich Chemical - 290580
Sigma-Aldrich Corporation
www.sigma-aldrich.com
Section 10 - Stability and Reactivity

Stability
- Stable
- Stable

Materials to Avoid
- Strong oxidizing agents.

Hazardous Decomposition Products
- Carbon monoxide, Carbon dioxide.

Hazardous Polymerization
- Will not occur.

Section 11 - Toxicological Information

Route of Exposure
- Skin Contact
  - May cause skin irritation.
- Skin Absorption
  - May be harmful if absorbed through the skin.
- Eye Contact
  - May cause eye irritation.
- Inhalation
  - May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
- Contact a licensed professional waste disposal service to dispose of this material.
- 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

DOT
- Proper Shipping Name: None
- Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
- Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

United States Regulatory Information
- SARA Listed: No

TSCA Inventory Item: Yes

Canada Regulatory Information
- WHMIS Classification
  - This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
  - DSL: Yes
  - NDSL: No
Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc. shall not be held liable for any damage resulting from handling or contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2006 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.