MATERIAL SAFETY DATA SHEET

ELAN CHEMICAL COMPANY, INC

Date Printed: October 23, 2007
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1. Product /Company Identification

Product Name: PHENYL ETHYL PHENYL ACETATE

Manufacturer: Elan Chemical Co. Inc.
268 Doremus Ave.
Newark, NJ 07105
U.S.A.
Phone: (973)344-8014
Fax: (973)344-5880
Emergency: 800-424-9300 (Chemtrec)

2. Composition/Information on Ingredient

Synonyms: Phenethyl phenylacetate
CAS Number: 102-20-5
FEMA: 2866
Molecular Formula: C₁₆H₁₆O₂ Molecular Weight: 240.30

3. Hazards Identification

Emergency Overview:
Harmful by inhalation and if swallowed.
Irritant. Irritating to eyes, respiratory system and skin.

<table>
<thead>
<tr>
<th>Health</th>
<th>HMIS</th>
<th>NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

4. First Aid Measures

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

Inhalation Exposure: If inhaled, move to fresh air. If not breathing give artificial respiration. IF breathing is difficult, give oxygen.
Skin Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes

**5. Fire Fighting Measures**

<table>
<thead>
<tr>
<th>Flammable Hazards:</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point:</td>
<td>113°C</td>
</tr>
</tbody>
</table>
| Extinguishing Material: | Water Spray  
Carbon Dioxide  
Dry Chemical Powder  
Foam |
| Protective Equipment: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |

**6. Accidental Release Measures**

<table>
<thead>
<tr>
<th>Personal Protection:</th>
<th>Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean up Methods:</td>
<td>Absorb on sand or vermiculite and hold for waste disposal. Ventilate area and wash spill site after clean up is complete.</td>
</tr>
</tbody>
</table>

**7. Handling and Storage Procedures**

<table>
<thead>
<tr>
<th>Handling:</th>
<th>Do not breathe vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Use PPE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage:</td>
<td>Keep container tightly closed. Store in a cool, dry place.</td>
</tr>
</tbody>
</table>

**8. Exposure Controls/ PPE**

<table>
<thead>
<tr>
<th>Respiratory:</th>
<th>At a minimum, workers should wear a NIOSH-approved full-face air-purifying respirator.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes:</td>
<td>Chemical Safety goggles</td>
</tr>
<tr>
<td>Skin:</td>
<td>Chemical resistant gloves. Safety shower and eye bath.</td>
</tr>
<tr>
<td>Ventilation:</td>
<td>Mechanical exhaust required.</td>
</tr>
</tbody>
</table>

General Hygiene Measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

**9. Physical/Chemical Properties**
Appearance: Colorless to pale yellow liquid
Odor: Rosy, hyacinth
Boiling Point: 325º C
Melting Point: 28º C
Flash Point: 113 ºC
Vapor Density: N/A
Specific Gravity: 1.079- 1.082
Refractive Index: 1.546 1.550

10. Stability and Reactivity

Stability: Stable
Materials to Avoid: Strong oxidizing agents
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide.

11. Toxicological Information

Exposure Effects:
- Skin Contact: May cause skin irritation.
- Skin Absorption: May be harmful if absorbed through skin.
- Eye Contact: May cause eye irritation.
- Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
- Ingestion: May be harmful if swallowed.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. Ecological Information

No Data Available.

13. Disposal Considerations

Disposal: Dissolve or mix this material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with local, state, and federal regulations.

14. Transportation Information

Ground (DOT) & Air (IATA)
Proper shipping Name: None.
Non-hazardous

15. Regulatory Information

EU Classification
Symbol of Danger: XI
Indication of Danger: Irritant.
R: 36/38, Risk Statements: Irritating to eyes and skin.
S: 26/36, Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US Classification
Indication of Danger: Irritant.
Risk Statements: Irritating to eyes and skin.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

SARA Listed: No
TSCA Inventory Item: Yes

16. Additional Information
This material safety data sheet is intended to meet the specific requirements of 29 CFR 1910.1200 and should be used accordingly. While the information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made with regard to its completeness, correctness or accuracy. Any users or handlers of this product who are not under the direct control of Elan Chemical Co., Inc. are responsible for evaluating this information in light of their particular situation and are responsible for all losses, damages or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to observe any and all laws and regulations (Federal, State and Local) concerning the transportation, use, handling, storage and disposal of this product.