SAFETY DATA SHEET
In accordance with REACH Regulation EC No. 1907/2006

Product: STYRALLYL ACETATE 1000000002
Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier
Product identifier: 1-phenylethyl acetate; CAS: 93-92-5
Other identifiers: STYRALLYL ACETATE 1000000002

1.2 Relevant identified uses of the substance of mixture and uses advised against
Product uses: Ingredient for flavours and fragrances

1.3 Details of the supplier of the safety data sheet
Company name: Eternis Fine Chemicals Ltd.
Company address: 1004, Peninsula Towers, 10 th Floor, Peninsula Corporate Park, G.K. Marg, Lower Parel, Mumbai-400013, India
Contact: Salomi Samuel
E-Mail address: sales@eternis.com
Company phone: +91-22-66513400

1.4 Emergency telephone number

Section 2. Hazards identification

2.1 Classification of the substance or mixture
Classification under Regulation (EC) No 1272/2008
Class and category of danger: This material does not meet the criteria for classification under Regulation (EC) No 1272/2008.

2.2 Label elements
Classification under Regulation (EC) No 1272/2008
Signal word: None
Hazard statements: None
M factor: None
Supplemental Information: None
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Precautionary statements: None
Pictograms: None
Other hazards: None

Section 3. Composition / information on ingredients

3.1 Substances
Product identifier: 1-phenylethyl acetate; CAS: 93-92-5

Section 4. First-aid measures

4.1 Description of first aid measures
Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
Skin exposure: Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
Ingestion: Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed
None expected, see Section 4.1 for further information.

4.3 Indication of any immediate medical attention and special treatment needed
None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture
In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:
In case of insufficient ventilation, wear suitable respiratory equipment.
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Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:
Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:
Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:
Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:
Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

7.3 Specific end use(s):
Ingredient for flavours and fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limits: Not Applicable

8.2 Exposure Controls
Eye/Skin Protection
Wear protective gloves/eye protection/face protection

Respiratory Protection
Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.
Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

**Appearance:** Clear colourless liquid

**Odour:** Fruity

**Odour threshold:** Not determined

**pH:** Not determined

**Melting point/freezing point:** Not determined

**Initial boiling point and boiling range:** 213 °C

**Flash point:** 95 °C

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/lower flammability or explosive limits:** Not determined

**Vapour pressure:** 0.1333 hPa @ 20°C

**Vapour density:** Not determined

**Relative density:** 1.024 g/cm³ @ 25°C

**Solubility(ies):** Water Solubility 1218 mg/l @ 20°C

**Partition coefficient: n-octanol/water:** 2.5 log POW

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

**Explosive properties:** None

**Oxidising properties:** Not determined

9.2 Other information: None

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:
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Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:
Not expected.

**Section 11. Toxicological information**

11.1 Information on toxicological effects

**Acute Toxicity:** Based on available data the classification criteria are not met.
- Acute Toxicity Oral: LD50 (rat) >5000mg/kg
- Acute Toxicity Dermal: LD50 (rabbit) >8000mg/kg
- Acute Toxicity Inhalation: Not available

**Skin corrosion/irritation:** Based on available data the classification criteria are not met.
- Skin irritation: Rabbit not irritating

**Serious eye damage/irritation:** Based on available data the classification criteria are not met.
- Eye irritation negative

**Respiratory or skin sensitisation:** Based on available data the classification criteria are not met.
- Skin sensitisation: Human Max test not sensitising

**Germ cell mutagenicity:** Based on available data the classification criteria are not met.

**Carcinogenicity:** Based on available data the classification criteria are not met.

**Reproductive toxicity:** Based on available data the classification criteria are not met.

**STOT-single exposure:** Based on available data the classification criteria are not met.

**STOT-repeated exposure:** Based on available data the classification criteria are not met.

**Aspiration hazard:** No data available

Refer to Section 2 for additional information.
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Section 12. Ecological information

12.1 Toxicity

Aquatic toxicity: Based on available data the classification criteria are not met.

<table>
<thead>
<tr>
<th>LC50 (96 hrs)</th>
<th>Fish</th>
<th>21 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>Bacteria</td>
<td>729 mg/l</td>
</tr>
<tr>
<td>LC50 (24 hrs)</td>
<td>Algae</td>
<td>65 mg/l</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

Biodegradation: OECD Guideline 301 F 28 day Readily biodegradable

12.3 Bioaccumulative potential

Partition coefficient n-octanol /water (log Kow): Measured 2.5

12.4 Mobility in soil

Adsorption coefficient:
Log Koc at 20 °C Measured 2.41

12.5 Results of PBT and vPvB assessment
Not applicable

12.6 Other adverse effects
Not applicable

12.7 Additional information
None available

Section 13. Disposal considerations

13.1 Waste treatment methods:
Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

14.1 UN number: Not classified
14.2 UN Proper Shipping Name: Not classified
14.3 Transport hazard class(es):
Sub Risk: Not classified
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14.4. Packing Group: Not classified
14.5 Environmental hazards: Not environmentally hazardous for transport
14.6 Special precautions for user: None additional
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not classified

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Key to revisions:
Not applicable

Key to abbreviations:
Not applicable

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.