1. CHEMICAL PRODUCT & MANUFACTURER’S DETAILS

**PRODUCT NAME**: 3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine

**MANUFACTURER**

**FACTORY & REGISTERED OFFICE**: Jubilant Organosys Limited,
Bhartiagram, Gajraula
District: Jyotiba Phuley Nagar
Uttar Pradesh-244223, India
PHONE NO: +91-5924-252353 upto 60
Contact Department-Safety: Extension 298
FAX NO: +91-5924-252352
EMERGENCY PHONE: +91-5924-268141

**HEAD OFFICE**: Jubilant Organosys Limited
Plot 1-A, Sector 16-A,
Institutional Area, Noida,
Uttar Pradesh-201301 India.
PHONE NO: +91-120-2516601
Contact department: EHS
FAX NO: +91-120-2516629
Email: support@jubl.com

2. CHEMICAL IDENTIFICATION

- **CHEMICAL NAME**: 3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine
- **SYNONYMS**: Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-propyl-(9CI)
  - 3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine (EPA)
  - 1-Phenyl-3,5-diethyl-2-propyl-1,2-dihydropyridine
  - De: 3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridin
  - Es: 3,5-diétile-1-fenil-1,2-dihidro-2-propilpiridina
  - Fr: 3,5-diéthyl-1,2-dihydro-1-phényl-2-propylpyridine
- **CHEMICAL CLASSIFICATION**: Heterocyclic aromatic compound
- **CHEMICAL FORMULA**: \( C_{18}H_{25}N \)
- **C.A.S. NO.**: [34562-31-7]
- **EINECS**: 252-091-3

3. HAZARD IDENTIFICATION & HEALTH HAZARD

- May cause irritation to the eyes and skin.

4. FIRST AID MEASURES

**Eyes**: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eye lids. Seek medical attention if irritation persists.

**Skin**: In case of contact, immediately wash the contaminated skin with non-abrasive soap and plenty of water. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

**Inhalation**: If inhaled, allow the victim to rest in a well-ventilated area. Seek immediate medical attention.

**Ingestion**: If swallowed, wash out mouth with water, provided person is conscious. Do not induce vomiting. Get medical aid.
5. **FIRE FIGHTING MEASURES**

**Extinguishing media:**
Dry chemical powder, carbon dioxide, and alcohol resistant foam. Water sprays can be effective in cooling down the fire exposed containers and knocking down the vapours.

**Special fire fighting procedure:**
Wear protective clothing, wear self-contained breathing apparatus.

**Unusual fire and explosion hazard:**
May emits toxic fumes under fire conditions.

6. **ACCIDENTAL RELEASE MEASURES**

**General:** Ventilate the area of spill or leakage. Isolate spill area, preventing entry by unauthorised persons. Prevent skin /eye contact.

**Evacuation procedures:** Follow procedures as available at the facility and as per degree of spill.

**Personal protection:** Wear approved respirator (self-contained breathing apparatus may be used preferably) and appropriate protective equipment as mentioned in section 8.

**Spills**
Absorb spill with dry sand. Place in an approved chemical waste container. Avoid raising dust.

7. **HANDLING AND STORAGE**

- **Storage:** Store in a cool dry place. Keep containers closed when not in use.
- **Handling:**
  - Avoid contact with eyes and skin.
  - Use adequate ventilation.
  - Ground all equipment containing the material.
  - Keep container tightly closed.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:** Not available

**Engineering Controls:** Provide exhaust ventilation. Ensure that eyewash and safety showers are in proximity.

**Personal Protective Equipment:** For eye and face protection wear splash proof chemical goggles and a face shield. For skin protection use impervious gloves. Use clean protective body covering (lab coat) as needed to minimise contact with clothing and skin.

**Respiratory Protection:** Where appropriate use an approved respirator, if deemed necessary.
9. PHYSICOCHEMICAL PROPERTIES & FIRE/EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Yellow to amber liquid.</td>
</tr>
<tr>
<td>Odour</td>
<td>Nearly odourless.</td>
</tr>
<tr>
<td>Boiling Point (at 5 mm Hg)</td>
<td>162 – 167°C</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Data not available</td>
</tr>
<tr>
<td>Flash Point (TOC)</td>
<td>Over 149°C (&gt;300°F)</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Data not available</td>
</tr>
<tr>
<td>Specific Gravity/Density</td>
<td>0.965</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Less than 0.1 gm in 100 gm of water at 25°C</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
</tr>
<tr>
<td>LEL</td>
<td>Data not available</td>
</tr>
<tr>
<td>UEL</td>
<td>Data not available</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>Data not available</td>
</tr>
<tr>
<td>Explosive Sensitivity to Impacts</td>
<td>Data not available</td>
</tr>
<tr>
<td>Explosive Sensitivity to Static Electricity</td>
<td>Data not available</td>
</tr>
<tr>
<td>Combustible Liquid</td>
<td>No</td>
</tr>
<tr>
<td>Flammable Material</td>
<td>No</td>
</tr>
<tr>
<td>Organic Peroxide</td>
<td>No</td>
</tr>
<tr>
<td>Corrosive Material</td>
<td>Data not available</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>255.41</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

- **Chemical stability**: The product is stable.
- **Incompatible to**: Oxidizing agents and acids.
- **Condition to avoid**: Oxidizing agents and strong acids.
- **Hazardous decomposition products**: Thermal decomposition may produce carbon monoxide and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

- **Acute effects**:
  - Eye contact: Mild transient eye irritant.
  - Skin contact: Moderate skin irritant.
  - Sensitization: Not available.
  - Ingestion: Harmful if swallowed.
  - Inhalation: Not available.
- **Chronic Effects**
- **Toxicity**
  - Acute Oral LD_{50}: >500mg/kg (Rat).
  - Dermal toxicity: >1000mg/kg (Rabbit).
12. **ECOLOGICAL INFORMATION**

- *Ecotoxicity*: Data not available
- *Environmental fate*: Data not available

13. **DISPOSAL CONSIDERATION**

Waste disposal: Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws.

Container disposal: Disposal regulations may also apply to empty containers.

14. **TRANSPORT INFORMATION**

Not subject to transport regulations under IMO/IATA.

15. **REGULATORY INFORMATION**

**European information:**
- Label: Xi
- EINECS: 252-091-3
- European Priority Lists Information: This chemical substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).
- Risk and safety phrases
  
  R 22 Harmful if swallowed.
  
  R 36/38 Irritating to eyes and skin.
  
  S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  
  S 28 After contact with skin, wash immediately with plenty of water and soap.

**US information:**
- Is listed in EPA TSCA chemical 8(b) inventory.
  
  TSCA
  
  Section 12b: None of the chemicals are listed under TSCA Section 12b.
  
  TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.
  
  SARA
  
  Section 304 (RQ): This chemical does not have an RQ.
  
  Section 302 (TPQ): This chemical does not have a TPQ.
  
  Section 313: This chemical is not reportable under Section 313.

Clean Air Act:
- This chemical does not contain any hazardous air pollutants.
- This material does not contain any
### 15. REGULATORY INFORMATION

Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:
- This chemical is not listed as a Hazardous Substance under the CWA.
- This chemical is not listed as a Toxic Pollutant under the CWA.

OSHA:
- None of the chemicals in this product are considered highly hazardous by OSHA.

- NFPA: H 2 F1 R0

### 16. OTHER INFORMATION

Information contained in this MSDS is believed to be correct but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. This MSDS shall be used as a guide only. JUBILANT ORGANOSYS LIMITED makes no warranties expressed or implied of the adequacy of this document for any particular purpose.

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