Fenozalone
(5-Phenyl-2-(ethylnitro)-4-oxazolidone)

<table>
<thead>
<tr>
<th>Material Lot #:</th>
<th>20180015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country of Origin:</td>
<td>China</td>
</tr>
<tr>
<td>Manufacture Date:</td>
<td>01/15/2018</td>
</tr>
<tr>
<td>Restocking Date:</td>
<td>03/08/2021</td>
</tr>
<tr>
<td>Analysis</td>
<td>Claim</td>
</tr>
<tr>
<td>Fenozalone</td>
<td>&gt;98.0%</td>
</tr>
<tr>
<td>Test</td>
<td>Claim</td>
</tr>
<tr>
<td>Appearance</td>
<td>White Solid</td>
</tr>
<tr>
<td>Identification</td>
<td>Proton NMR spectrum conforms to structure</td>
</tr>
<tr>
<td>Assay</td>
<td>&gt;98% by HNMR</td>
</tr>
</tbody>
</table>

Fenozalone should be stored at or below room temperature in a tightly sealed durable container. Fenozalone should be protected from excess heat, direct sunlight, excess humidity and moisture. Fenozalone has a stable shelf life of 3 years from the date of packing when properly stored.
SECTION 2: Hazards identification

2.1 Chemical name: 2-(ethylamino)-5-phenyl-1,3-oxazol-4-one
Child Trade name: Fenozolone
Product No: NM_15302-16-6
CAS No: 655-05-0

2.2 Synonyms: Ordinator, 15302-16-6, Fenozolonum, Fenozolona, LD 3394, Phenozolone, 5-Phenyl-2-ethylamino-4-oxazolinone, 5-Phenyl-2-(ethylimino)-4-oxazolidone

2.3 Purity: 98%

2.4 Molecular Formula: C11H12N2O2

2.5 CAS No 15302-16-6

2.6 Trade name: Fenozolone

2.7 Chemical Abstracts Service (CAS) Registry Number: 655-05-0

2.8 Information on molecular structure:

- CAS No: 655-05-0
- Trade name: Fenozolone
- Chemical name: 2-(ethylamino)-5-phenyl-1,3-oxazol-4-one
- Molecular formula: C11H12N2O2
- Purity: 98%

2.9 Physical and Chemical Properties:

- Chemical formula: C11H12N2O2
- Molecular weight: 216.23
- Purity: 98%

2.10 Hazard pictograms:

GHS07

Signal word: Warning

Hazard statements:

H310 Harmful if swallowed. Reported in literature as a psychostimulant.

Precautionary statements:

P264 Wash hands thoroughly after handling.

P301+P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell.

2.11 Other hazards:

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

- Chemical name: 2-(ethylamino)-5-phenyl-1,3-oxazol-4-one
- Trade name: Fenozolone
- Molecular formula: C11H12N2O2
- Purity: 98%
- Synonyms: Ordinator, 15302-16-6, Fenozolonum, Fenozolona, LD 3394, Phenozolone, 5-Phenyl-2-ethylamino-4-oxazolinone, 5-Phenyl-2-(ethylimino)-4-oxazolidone

3.2 Mixtures

- Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information:
  - If medical attention is required, show this safety data sheet to the doctor.

- Following inhalation:
  - If intubated, move person to fresh air. If not breathing, give artificial respiration and consult a physician.

- Following skin contact:
  - Immediately rinse affected area with soap and water. Consult a physician if any exposure symptoms are observed.

- Following eye contact:
  - Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.

- Following ingestion:
  - Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.

- Self-protection of the first aider:
  - No data available.

4.2 Most important symptoms and effects, both acute and delayed

- The most important known symptoms and effects are described in the labeling (see section 2.2) and/or section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media:
  - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture:

- Carbon oxides, Nitrogen oxides

5.3 Advice for fire-fighters

- Wear self-contained breathing apparatus for fire fighting if necessary.

5.4 Additional information

- No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Safety Data Sheet

Trade name: Fenozolone
Product No: NM_15302-16-6_FENOZOLONE
Version: 1 / EN
Page 4 of 9
Print date: 2018-06-08
Revision date: 2018-04-03

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Aerosol and dust generation prevention

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in dry place.

7.3 Specific end uses

For scientific research and development only. Not for use in humans or animals.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no components with established occupational exposure limits.

8.2 Exposure controls

Appropriate engineering controls:

A laboratory hood or other appropriate form of local exhaust ventilation should be used to avoid exposure.

Personal protective equipment:

All recommendations below are advisory in nature and a risk assessment should be performed by the employer/end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

Eye / Face protection:

Safety goggles or face shield. All equipment should have been tested and approved under good laboratory practices and local requirements.

Skin / Hand protection:

Gloves should be used when handling this material. Gloves are to be inspected prior to use. Contaminated gloves are to be removed using proper glove removal technique so that the surface of the glove does not contact bare skin. Dispose of contaminated gloves after use in compliance with good laboratory practices and local requirements.

8.3 Skin protection

For prolonged direct exposure (immersion) should be designated as "chemical resistant" as per EN 178 with the resistance codes corresponding to the anticipated use of the material. Unrated gloves are not recommended.

Gloves used for prolonged direct exposure (immersion) should be designated as "chemical resistant" as per EN 734 with the resistance codes corresponding to the anticipated use of the material. These recommendations may not apply if the material is mixed with any other chemical, or dissolved into a solution. A risk assessment must be performed to ensure the gloves will still offer acceptable protection.

Body protection:

Fire resistant (Nomex) lab coat or coveralls.

Respiratory protection:

Recommended respirators are NIOSH-approved N100 or CEN-approved FFP3 particulate respirators. These are to be only used as a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face supplied air respirator must be used.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>A) Appearance</th>
<th>B) Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-White Solid</td>
<td>Characteristic odor</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C) Odor Threshold</th>
<th>D) pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E) Melting Point/Freezing Point</th>
<th>F) Initial Boiling Point/Boiling Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>148 °C</td>
<td>336.9 ±45.0 °C (Predicted)</td>
</tr>
<tr>
<td>157.6 ±28.7 °C (Predicted)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>G) Flash point</th>
<th>H) Explosive Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>157 ±26 °C (Predicted)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>I) Flammability (Solid/Gas)</th>
<th>J) Upper/Lower Flammability/Explosive Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ji Upper/Lower Flammability/Explosive Limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>K) Vapour Pressure</th>
<th>L) Relative Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M) Solubility</th>
<th>N) Decomposition Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>O) Partition Coefficient</th>
<th>P) Auto-Ignition Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1 Reactivity: No Data Available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No Data Available

10.4 Conditions to avoid: No Data Available

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products: No Data Available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>B)</th>
<th>C)</th>
<th>D)</th>
<th>E)</th>
<th>F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect dose / concentration</td>
<td>Value</td>
<td>Species</td>
<td>Method</td>
<td>Symptoms / delayed effects</td>
</tr>
<tr>
<td>Acute oral toxicity</td>
<td>LD50</td>
<td>425 mg/kg</td>
<td>Mouse oral</td>
<td>Stimulation</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute inhalative toxicity (gas)</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute inhalative toxicity (vapour)</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute inhalative toxicity (dust/mist)</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

No data available

Eye damage/irritation

No data available

9.2 Other information: No data available

This Safety Data Sheet contains 16 sections. All 16 sections must be present for this document to be valid.

Symaptent LLC – NM_15302-16-6_Fenozolone pg 4
This Safety Data Sheet contains 16 sections. All 16 sections must be present for this document to be valid.

Safety Data Sheet

Trade name: Fenozolone
Product No: NM_15302-16-6_FENOZOLONE
Version: 1 / EN
Page 6 of 9
Print date: 2018-06-08
Revision date: 2018-04-03

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>B)</th>
<th>C)</th>
<th>D)</th>
<th>E)</th>
<th>F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect dose / concentration</td>
<td>Value</td>
<td>Species</td>
<td>Method</td>
<td>Symptoms / delayed effects</td>
</tr>
<tr>
<td>Acute oral toxicity</td>
<td>LD50</td>
<td>425 mg/kg</td>
<td>Mouse oral</td>
<td>Stimulation</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute inhalative toxicity (gas)</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute inhalative toxicity (vapour)</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute inhalative toxicity (dust/mist)</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

No data available

Eye damage/irritation

No data available

This Safety Data Sheet contains 16 sections. All 16 sections must be present for this document to be valid.

Symaptent LLC – NM_15302-16-6_Fenozolone pg 6
This Safety Data Sheet contains 16 sections. All 16 sections must be present for this document to be valid.

Safety Data Sheet

Trade name: Fenozolone
Product No: NM_15302-16-6_FENOZOLONE
Version: 1 / EN
Page 7 of 9
Print date: 2018-06-08
Revision date: 2018-04-03

SECTION 12: Ecological information

12.1 Toxicity: No data available.

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: No data available.

This Safety Data Sheet contains 16 sections. All 16 sections must be present for this document to be valid.

Symaptent LLC – NM_15302-16-6_Fenozolone pg 7
This Safety Data Sheet contains 16 sections. All 16 sections must be present for this document to be valid.
12.6 Other adverse effects:  
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

A) Product
Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.

B) Contaminated Packaging
Dispose of as above.

C) Other Considerations
Product is not to be disposed of in sanitary sewers, storm sewers, or landfills.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>Land transport (DOT)</th>
<th>Inland waterway transport (ADN)</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO-TI / IATA-DGR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>UN Proper shipping name</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>Transport hazard class</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Hazard label(s)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Packing group</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Environmental hazard</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

14.6 Special precautions for user
None

SECTION 15: Regulatory information

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

A) Canada
DSL/NDSL Status: This product is not listed on the Canadian DSL/NDSL.

B) United States
TSCA Status: This product is not listed on the US EPA TSCA.

C) European Union
ECHA Status: This product is not registered with the EU ECHA.

Safety Data Sheet
Trade name: Fenozolone
Product No: NM_15302-16-6_FENOZOLONE
Print date: 2018-06-08
Revision date: 2018-04-03

Synaptent LLC
– NM_15302-16-6_Fenozolone
This Safety Data Sheet contains 16 sections. All 16 sections must be present for this document to be valid.