Section 1. Product and Company Identification

Product Name  Nerolidol, synthetic  
Product ID  N1769  
Chemical Name  (Synonyms)  Stirrup; Peruviol  
Supplier  LKT Laboratories, Inc  
545 Phalen Blvd.  
St. Paul, MN 55130 USA  
Ph: 651-644-8424 Fax: 651-644-8357  
www.lktlabs.com - getinfo@lktlabs.com  
Emergency Phone #  1-800-424-9300

Section 2. Hazards Identification

GHS Classification  
Eye irritation (Category 2A), H319  
Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity (Category 1), H410

GHS Label elements including precautionary statements

Pictogram  
Signal word  Warning

Hazard and precautionary statements  
H319 - Causes serious eye irritation.  
H401 - Very toxic to aquatic life with long lasting effects.  
Precautionary statements  
P264 - Wash skin thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, eye protection, face protection.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to an approved waste disposal plant.

HMIS Classification  
Health hazard: 2  
Chronic health hazard: *  
Flammability: 1  
Physical hazard: 0

NFPA Rating  
Health hazard: 2  
Fire hazard: 1  
Physical hazard: 0

Potential Health Effects  
Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.  
Skin - May be harmful if absorbed through skin. May cause skin irritation.  
Eyes - Causes serious eye irritation.
Section 3. Composition/Information on Ingredients

Substances | Ingredient: Title Compound | Percent: 100 |
---|---|---|
Formula | C15H26O | 222.37 |
CAS No. | 7212-44-4 | 230-597-5 |

Section 4. First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact
Flush eyes with water for at least 15 minutes and consult a physician.

Skin Contact
Wash off with soap and plenty of water. Consult a physician.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flash Point
96˚C (Closed cup.)

Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Firefighting Procedures
Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire Hazards
Carbon oxides.

Section 6. Accidental Release Measures

Personal Precautions
Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleanup
Soak up with inert, absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened, must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: Ambient

Hazardous Decomposition Products
Not available.

Other Remarks
This product is a synthetic liquid.
Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**
Contains no substances with occupational exposure limit values.
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**PERSONAL PROTECTION**
Eye/face protection: Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact - Material: Nitrile rubber, Minimum layer thickness: 0.4 mm, Break through time: 480 min., Material tested: Dermatril® (KCL 730 / Aldrich Z677442, Size M), Splash contact - Material: Nitrile rubber, Minimum layer thickness: 0.11 mm, Break through time: 30 min., Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).
Body protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

**Physical State**
Liquid.

**Color**
Colorless to pale yellow liquid.

**Boiling Point**
114°C

**Vapor pressure**
Not available.

**Melting Point**
-75°C

**Density**
Not available.

**Solubility**
Sparingly soluble in water.

**96˚C (Closed cup.)**
Not available.

**Flash Point**
Not available.

**Autoignition temperature**
Not available.

**Lower explosion limit**
Not available.

**Vapor pressure**
Not available.

**Upper explosion limit**
Not available.

**Water solubility**
Sparingly soluble in water.

**Odor**
Not available.

**Partition coefficient: n-octanol/water**
Not available.

**Odor Threshold**
Not available.

**Relative vapor density**
Not available.

**Evaporation rate**
Not available.

Section 10. Stability and Reactivity

**Stability**
Stable under recommended storage conditions.

**Materials To Avoid**
Strong oxidizing agents.

**Hazardous Decomposition Products**
Not available.
### Section 11. Toxicological Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>Rat: &gt; 5,000 mg/kg Mouse: 15,000 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Skin - Rabbit</td>
</tr>
<tr>
<td>Result</td>
<td>No skin irritation - 4 h</td>
</tr>
<tr>
<td>Inhalation LC50</td>
<td>Not available.</td>
</tr>
<tr>
<td>Skin - Rabbit</td>
<td>Serious eye damage/irritation</td>
</tr>
<tr>
<td>Result</td>
<td>Irritating to eyes - 8d (OECD) Test Guideline 405</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>Not available.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other information on acute toxicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific organ toxicity single exposure (GHS)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific organ toxicity repeated exposure (GHS)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Additional Information</td>
<td>RTECS: JR4977000</td>
</tr>
<tr>
<td>Potential Health Effects</td>
<td>Inhalation - May be harmful if inhaled.  May cause respiratory tract irritation.</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>Eyes - Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>Ingestion - May be harmful if swallowed.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</td>
</tr>
<tr>
<td></td>
<td>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH</td>
</tr>
<tr>
<td></td>
<td>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</td>
</tr>
<tr>
<td></td>
<td>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</td>
</tr>
<tr>
<td>Signs and symptoms of exposure</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity</td>
<td>Flow-thru test LC50-Pimephales promelas (fathead minnow) 1.43 mg/l, 96h. Flow-thru test NOEC-Pimephales promelas (fathead minnow) 0.64 mg/l -96 h. EC50-Daphnia magna(Water flea)0.5103 mg/l-48h.</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Not available.</td>
</tr>
<tr>
<td>PBT and vPvB assessment</td>
<td>PBT/vPvB assessment not available as chemical safety assessment not required/not</td>
</tr>
</tbody>
</table>
Persistence and degradability
Biodegradability-aerobic - Exposure time 28 d
Result: 70-80% - Readily biodegradable (OECD Test Guideline 301)
Bioaccumulative potential Not available.

Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13. Disposal Considerations
Waste Disposal
Dispose of material according to all federal, state and local regulations.
Offer material to a licensed, professional waste disposal company to dispose of as unused product.

Section 14. Transport Information
DOT (US) Not dangerous goods.
IATA Not dangerous goods.
IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information
Reach No.
SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Components Acute health hazard
Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components Nerolidol, synthetic CAS #: 7212-44-4 Revision Date:
New Jersey Right To Know Components Nerolidol, synthetic CAS #: 7212-44-4 Revision Date:
California Prop 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information
Other information The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.