Section 1. Product and Company Identification

Product ID  N0061
Product Name  D-Naproxen
Chemical Name (Synonyms)  S-Naproxen, Nonyl; Equiproxen; Napren; Pranoxen
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  Acute toxicity, Oral (Category 3), H301

GHS Label elements including precautionary statements

Pictogram
Signal word  Danger
Hazard and precautionary statements
Hazard statement  H301 - Toxic if swallowed.
Precautionary statements
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P330 - Rinse mouth.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

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

NFPA Rating  Health hazard: 2
Fire hazard: 0
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 - May cause eye irritation.
Ingestion - May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>C₁₄H₁₄O₃</td>
<td>Formula Wt. 230.26</td>
</tr>
<tr>
<td>CAS No.</td>
<td>22204-53-1</td>
<td>EC No. 244-838-7</td>
</tr>
</tbody>
</table>

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 as a precaution.

Skin Contact
Wash off with soap and plenty of water. Take victim immediately to hospital. 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
Not available.

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

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

Unusual Fire Hazards
Carbon oxides.

Section 6. Accidental Release Measures

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

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Section 7. Handling and Storage

Handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: +4˚C
Keep in a dry place.

Hazardous Decomposition Products
Not available.

Other Remarks
Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS
Contains no substances with occupational exposure limit values.
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

PERSONAL PROTECTION

Eye/face protection: Face shield and safety glasses. 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 and Splash contact - Material: Nitrile rubber. Minimum layer thickness: 0.11mm, Break through time: 480 min. Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).

Body protection: Complete suit protecting against chemicals. 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 particle respirator type N99 (US) or type P2 (EN 143) 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid.</td>
</tr>
<tr>
<td>Color</td>
<td>White or almost white crystalline powder.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Volatility</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>155°C-158°C</td>
</tr>
<tr>
<td>Density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in ethanol and acetone. Insoluble in water.</td>
</tr>
<tr>
<td>pH</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>Not available.</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

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><strong>Oral LD50</strong></td>
<td>Rat - 248 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation LC50</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Dermal LD50</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Other information on acute toxicity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Reproductive Toxicity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Specific organ toxicity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Specific organ toxicity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Teratogenicity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Aspiration Hazard</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Synergistic effects</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Serious eye damage/irritation</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Germ cell mutagenicity</strong></td>
<td>Not available</td>
</tr>
</tbody>
</table>

### Additional Information

**RTECS:** UF5275000

**Signs and symptoms of exposure**

- Ingestion may provoke the following symptoms: Constipation, heartburn, abdominal pain, nausea, headache, dizziness, drowsiness, itching, skin eruptions, ecchymoses, tinnitus, pulmonary edema, oedema, shortness of breath.

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

### Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxicity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Mobility in soil</strong></td>
<td>Not available</td>
</tr>
</tbody>
</table>

**PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not
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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of as unused product.

Section 14. Transport Information

DOT (US)  
UN number: 2811  
Class: 6.1  
Packing group: III  
Proper shipping name: Toxic Solids, organic, n.o.s. (Naproxen)  
Marine pollutant: No  
Poison Inhalation: No

IATA  
UN number: 2811  
Class: 6.1  
Packing grade: III  
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Naproxen)  
Marine pollutant: No.

IMDG  
UN number: 2811  
Class: 6.1  
Packing grade: III  
Proper shipping name: Toxic solid, organic, n.o.s. (Naproxen)

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, chronic health hazard.

Massachusetts Right To Know Components  
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components  
Naproxen  
CAS No. 22204-53-1  
Revision Date:

New Jersey Right To Know Components  
Naproxen  
CAS No. 22204-53-1  
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.