Section 1. Product and Company Identification

Product Name: Lenalidomide
Product ID: L1852
Chemical Name (Synonyms): CC-5013, Revlimid
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
Acute Toxicity, Skin (Category 4), H312
Toxic to Reproduction (Category 1B), H360
Target Organ Systemic Toxicity, Repeated Exposure (Category 1), H372

GHS Label elements including precautionary statements

Pictogram:

Signal word: Danger

Hazard and precautionary statements:

Hazard statements
H301 - Toxic if swallowed.
H312 - Harmful in contact with skin.
H360 - May damage fertility or the unborn child.
H372 - Causes damage to organs (hematological and gastrointestinal systems) through prolonged or repeated exposure.

Precautionary statements
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust, fumes, gas, mist vapors, spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P281 - Use personal protective equipment as required.
P301 + 310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + 352 - IF ON SKIN: Wash with plenty of soap and water.
P308 + 313 - IF exposed or concerned: Get medical attention/advice.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
P314 - Get medical attention/advice if you feel unwell.
P321 - Specific treatment (see supplemental 1st aid instructions on this label).
P322 - Specific measures (see supplemental 1st aid instructions on this label).
P330 - Rinse mouth.
P362 + P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

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

NFPA Rating:
Health hazard: 2
Fire: 0
Reactivity hazard: 0

Potential Health Effects:
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: Acute toxicity. Harmful in contact with skin. May cause skin irritation.
Eyes: May cause eye irritation.
Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound</th>
<th>CAS: 191732-72-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>C₁₃H₁₃N₃O₃</td>
<td>Formula Wt. 259.26</td>
</tr>
<tr>
<td>CAS No.</td>
<td>191732-72-6</td>
<td>EC No.</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 plenty of water for at least 15 minutes and seek medical attention immediately.

**Skin Contact**
Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before reuse.

**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**
Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

**Unusual Fire Hazards**
May emit toxic fumes under fire conditions.

Section 6. Accidental Release Measures

**Personal Precautions**
Use personal protective equipment. Avoid dust formation. Avoid breathing dust, 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.

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

Section 7. Handling and Storage

**Handling**
Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

**Storage Conditions**
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Ambient

**Hazardous Decomposition Products**
Carbon monoxide, carbon dioxide, nitrogen oxides.

**Other Remarks**
None
Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**

**EXPOSURE CONTROLS**

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 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).

**Hand 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.

**Skin and 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 N100 (US) or type P3 (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).

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Section 9. Physical and Chemical Properties

**Physical State**

Solid

**Color**

White to light yellow powder.

**Boiling Point**

Not available.

**Melting Point**

Not available.

**Solubility**

DMSO (≥50 mg/mL): Very slightly soluble in water (≤1 mg/mL).

**Flash Point**

Not available.

**Lower explosion limit**

Not available.

**Upper explosion limit**

Not available.

**Water solubility**

Very slightly soluble in water (≤1 mg/mL).

**Partition coefficient: n-octanol/water**

Not available.

**Relative vapor density**

Not available.

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Section 10. Stability and Reactivity

**Stability**

Stable under recommended storage conditions.

**Materials To Avoid**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide, nitrogen oxides.
### Section 11. Toxicological Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
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<tr>
<td>Inhalation LC50</td>
<td>Not available.</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>Not available.</td>
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<tr>
<td>Other information on acute toxicity</td>
<td>Not available.</td>
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<tr>
<td>Reproductive Toxicity</td>
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<td>Specific organ toxicity single exposure (GHS)</td>
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<tr>
<td>Specific organ toxicity repeated exposure (GHS)</td>
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<tr>
<td>Teratogenicity</td>
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<tr>
<td>Skin corrosion/irritation</td>
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<tr>
<td>Serious eye damage/irritation</td>
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</tr>
<tr>
<td>Respiratory or skin sensitization</td>
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</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
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<td>Synergistic effects</td>
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<tr>
<td>Additional Information</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

#### Potential Health Effects

- **Inhalation**: May be harmful if inhaled. Causes respiratory tract irritation.
- **Skin**: Acute toxicity. Harmful in contact with skin. May cause skin irritation.
- **Eyes**: May cause eye irritation.
- **Ingestion**: Acute toxicity. Toxic if swallowed.
- **Reproduction**: May damage fertility or the unborn child.
- **Organs**: Cause disorders to blood, stomach, and intestines.

#### Carcinogenicity

- **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.
- **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.
- **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.
- **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.

### Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Information</th>
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<tbody>
<tr>
<td>Mobility in soil</td>
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<tr>
<td>Toxicity</td>
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<tr>
<td>Mobility in soil</td>
<td>Not available.</td>
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<tr>
<td>PBT and vPvB</td>
<td>PBT/vPvB assessment not available as</td>
</tr>
<tr>
<td></td>
<td>chemical safety assessment not required/not</td>
</tr>
</tbody>
</table>
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.

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 II, 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 No SARA Hazards

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

Pennsylvania Right To Know Components Lenalidomide CAS #: 191732-72-6 Revision Date:

New Jersey Right To Know Components Lenalidomide CAS #: 191732-72-6 Revision Date:

California Prop 65 Components This product does not contain any chemicals known to 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.