Section 1. Product and Company Identification

Product Name: Nilotinib  
Product ID: N3346  
Chemical Name (Synonyms): AMN 107, Tasigna  
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:  
Target Organ Systemic Toxicity (Category 1)  
Aquatic Toxicity - Chronic (Category 4)

GHS Label elements including precautionary statements

Pictogram:  
Signal word: Danger  
Hazard and precautionary statements:  
H372 - Causes damage to organs (liver, kidney) through prolonged or repeated exposure.  
H413 - May cause long lasting harmful effects to aquatic life.  
Precautionary statements:  
P260 - Do not breathe (dust/fume/gas/mist/vapors/spray).  
P264 - Wash (hands) thoroughly after handling.  
P273 - Avoid release to the environment.  
P314 - Get medical attention/advice if you feel unwell.

HMIS Classification: Hazards not otherwise classified (HNOC)  
NFPA Rating: Hazards not otherwise classified (HNOC)  
Potential Health Effects:  
Inhalation: May be harmful if inhaled.  
Skin: May be harmful if absorbed through skin.  
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>$\text{C}<em>{28}\text{H}</em>{22}\text{F}<em>{3}\text{N}</em>{7}\text{O}$</td>
<td>Formula Wt. 529.52</td>
</tr>
<tr>
<td>CAS No.</td>
<td>641571-10-0</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
Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.

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

Inhalation
Remove from exposure and provide respiration support if necessary. Seek medical attention.

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 and protective clothing for fire fighting if necessary.

Unusual Fire Hazards
Carbon oxides or nitrogen oxides (NOx).

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. 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.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. May be stored at ambient temperatures.

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.
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 EN166 (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.
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 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).

Section 9. Physical and Chemical Properties

Physical State: Solid powder.
Color: White to off white.
Boiling Point: Not available.
Volatility: Not available.
Melting Point: 229.8°C-242°C
Density: Not available.
Solubility: Slightly soluble in water (1 mg/mL). Soluble in ethanol (24 mg/mL).
PH: Not available.
Flash Point: Not available.
Autoignition temperature: Not available.
Lower explosion limit: Not available.
Upper explosion limit: Not available.
Water solubility: Slightly soluble in water (1mg/mL).
Partition coefficient: n-octanol/water
Relative vapor density: Not available.
Vapor pressure: Not available.
Odor: Not available.
Odor threshold: 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>Not available.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not available.</td>
</tr>
<tr>
<td>Inhalation LC50</td>
<td>Not available.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not available.</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>Possible risk of congenital malformation in the fetus. Suspected human reproductive toxicant.</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>Not available.</td>
</tr>
<tr>
<td>Synergistic effects</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: BV8741000</td>
</tr>
<tr>
<td>Signs and symptoms of exposure</td>
<td>Stomach - Irregularities - Based on Human Evidence</td>
</tr>
<tr>
<td>Potential Health Effects</td>
<td>Inhalation: May be harmful if inhaled.</td>
</tr>
<tr>
<td></td>
<td>Skin: May be harmful if absorbed through skin.</td>
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<td></td>
<td>Eyes: May cause eye irritation.</td>
</tr>
<tr>
<td></td>
<td>Ingestion: May be harmful if swallowed.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Some steroids show carcinogenic and teratogenic activity.</td>
</tr>
<tr>
<td>IARC: No component of this product present at</td>
<td>levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</td>
</tr>
<tr>
<td>confirmed human carcinogen by IARC.</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>NTP: No component of this product present at</td>
<td>levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</td>
</tr>
<tr>
<td>levels greater than or equal to 0.1% is</td>
<td>OSHA: No component of this product present at levels greater than or</td>
</tr>
<tr>
<td>identified as a carcinogen or potential</td>
<td>equal to 0.1% is identified as a carcinogen or potential carcinogen by</td>
</tr>
<tr>
<td>carcinogen by OSHA.</td>
<td>OSHA.</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>Not available.</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Not available.</td>
</tr>
<tr>
<td>PBT and vPvB</td>
<td>PBT/vPvB assessment not available as chemical safety assessment not required/not available</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. 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)** Not dangerous goods.

**IATA** Not dangerous goods.

**IMDG** Not dangerous goods.

Further Information

Section 15. Regulatory Information

**Reach No.**

**SARA 302 Components** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components** 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** Chronic health hazard

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

**Pennsylvania Right To Know Components** Nilotinib CAS: 641571-10-0

**New Jersey Right To Know Components** Nilotinib CAS: 641571-10-0

**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.
For emergencies in the USA, call CHEMTREC 800-424-9300