Section 1. Product and Company Identification

Product Name  Fingolimod Hydrochloride
Product ID  F3454
Chemical Name (Synonyms)  2-Amino-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol hydrochloride
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  Not a hazardous substance or mixture.

GHS Label elements including precautionary statements

Pictogram

Signal word

Hazard and precautionary statements

Hazard statement  Not a hazardous substance or mixture.
Precautionary statement  Not a hazardous substance or mixture.

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

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

Potential Health Effects  Inhalation: May be harmful if inhaled.
          Skin: May be harmful if absorbed through skin.
          Eyes: Causes serious eye irritation.
Ingestion: May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound Percent: 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>C_{19}H_{32}NO_{2} • HCl</td>
</tr>
<tr>
<td>CAS No.</td>
<td>162359-56-0</td>
</tr>
<tr>
<td>Formula Wt.</td>
<td>343.93</td>
</tr>
<tr>
<td>EC No.</td>
<td></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 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
Not available.

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

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

Unusual Fire Hazards
Carbon oxides or nitrogen oxides (NOx), hydrogen chloride gas.

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. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

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

Hazardous Decomposition Products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas.

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 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.
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: For nuisance exposures, use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. 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 powder.

Boiling Point
Not available.

Melting Point
107-108°

Solubility
Not available.

Flash Point
Not available.

Lower explosion limit
Not available.

Upper explosion limit
Not available.

Water solubility
Not available.

Partition coefficient: n-octanol/water
Not available.

Relative vapor density
Not available.

Odor
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
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas.
Section 11. Toxicological Information

Oral LD50: Not available.
Inhalation LC50: Not available.
Dermal LD50: Not available.
Other information on acute toxicity: Not available.
Skin corrosion/irritation: Not available.
Serious eye damage/irritation: Not available.
Respiratory or skin sensitization: Not available.
Germ cell mutagenicity: Not available.
Carcinogenicity: Some steroids show carcinogenic and teratogenic activity.
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.
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.
Reproductive Toxicity: Not available.
Aspiration Hazard: Not available.
Synergistic effects: Not available.
Specific organ toxicity single exposure (GHS): Not available.
Specific organ toxicity repeated exposure (GHS): Not available.
Additional Information: Not available.
Teratogenicity: Not available.
Signs and symptoms of exposure: Not available.

Section 12. Ecological Information

Toxicity: Not available.
Mobility in soil: Not available.
PBT and vPvB assessment: Not available as chemical safety assessment not required/not
Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

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: 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: Acute health hazard

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

Pennsylvania Right To Know Components: Fingolimod Hydrochloride CAS #: 162359-56-0 Revision Date:

New Jersey Right To Know Components: Fingolimod Hydrochloride CAS #: 162359-56-0 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.