

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Delamanid  
Catalog Number: DE1009  
CAS Number: 681492-22-8  
**FOR R&D use only**  
Supplier: Gojira Fine Chemicals, LLC, 5386 Majestic Pkwy  
Suite 7, Bedford Heights, OH 44146

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient name: Delamanid  
CAS number: 681492-22-8  
Molecular Formula: C<sub>25</sub>H<sub>25</sub>F<sub>3</sub>N<sub>4</sub>O<sub>6</sub>  
Molecular Weight: 534.50

## 3. HAZARDS IDENTIFICATION

### GHS Classification

Skin corrosion/irritation (Category 2)  
Serious eye damage/eye irritation (Category 2A)  
Specific target organ toxicity-single exposure(Category 3),Respiratory system

### GHS Label elements, including precautionary Statements

**Pictogram:**



**Signal word:** warning

**Hazard statement(s):**

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

**Precautionary Statement(s):**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+352 IF ON SKIN: wash with plenty of soap and water.

#### 4. FIRST AID MEASURES

**In case of eye contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If inhaled:**

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

**In case of skin Contact:**

Wash off with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

**If swallowed:**

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

#### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:**

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

**Special protective equipment for firefighters:**

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

#### 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:**

Do not let product enter drains.

**Methods and Materials for containment and cleaning up**

Absorb spills on sand or vermiculite and place in closed container for disposal.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash thoroughly after handling.

**Conditions for safe storage:**

Keep container tightly closed in a cool, dry, well-ventilated place.

**Recommended storage temperature:**

Store at 0-8°C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

**Engineering Controls:**

Use only in a chemical fume hood.

**Personal Protective equipment:**

Wear chemical-resistant gloves, safety goggles.

**General Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Odor: not available

Boiling point: not available

Melting point: not available

Flash Point: not available

Density: not available

## 10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.

Materials to avoid: No data available

Conditions to avoid: strong oxidizer; strong acid

Possible hazardous combustion products: carbon oxides; hydrogen fluoride; nitrogen oxides

## 11. Toxicological information

**No Data.**

## 12. ECOLOGICAL INFORMATION

**No Data.**

### **13. DISPOSAL CONSIDERATIONS**

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority, in accordance with national and regional regulations.

### **14. Transportation information**

Non-hazardous for air and ground transportation. Or not available.

### **15. Regulatory Information**

Indication of danger: No data

Risk Statement: No data

Safety Statement: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

### **16. Other information**

*The above information is believed to be accurate and represents the best information currently available to Gojira Fine Chemicals. However, we make no warranty or merchantability or any other warranty, express or Implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Gojira Fine Chemicals be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Gojira Fine Chemicals has been advised of the possibility of such damages.*