

# Safety Data Sheet

Revision Date: 4/5/2021

## Section 1: Chemical Identification

### 1.1 Chemical Identification

**Product Name:** Mycophenolic acid  
**Alternative Name:** 6-(4-Hydroxy-6-methoxy-7-methyl-3-oxo-5-phthalanyl)-4-methyl-4-hexenoic acid, 6-(1,3-Dihydro-7-hydroxy-5-methoxy-4-methyl-1-oxoisobenzofuran-6-yl)-4-methyl-4-hexanoic acid  
**Catalog Number:** M-140

### 1.2 Relevant Uses and Uses Advised Against

**Recommended use:** This product is not for use in humans. It is for research purposes only.

### 1.3 Supplier Contact Information

**Distributed by:** Gold Biotechnology, Inc.  
 1328 Ashby Rd.  
 St. Louis, MO 63132  
**Phone:** (314) 890-8778  
**Fax:** (314) 890-0503  
**Email:** [contactgoldbio86@goldbio.com](mailto:contactgoldbio86@goldbio.com)

### 1.4 Emergency Contact Information

**Emergency Phone:** (800)248-7609 (Monday-Friday, 9:00 a.m. – 5:00 p.m. CST)

## Section 2: Hazardous Information

### 2.1 GHS Classification

Acute Toxicity, Oral ()  
 Germ Cell Mutagenicity ()  
 Reproductive Toxicity ()  
 Specific Target Organ Toxicity, Repeated exposure (Category 1)  
 Acute Aquatic Toxicity (Category 1)  
 Chronic Aquatic Toxicity (Category 1)

### 2.2 GHS Label Elements, Including Precautionary statements



DANGER!

### 2.3 Hazard Statements

H302: Harmful if swallowed

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- H341: Suspected of causing genetic defects
- H360: May damage fertility or the unborn child
- H372: Causes damage to organs through prolonged or repeated exposure
- H410: Very toxic to aquatic life with long lasting effects

## **2.4 Precautionary Statements**

- P101: If medical advice is needed, have product container or label at hand
- P202: Do not handle until all safety precautions have been read and understood
- P260: Do not breathe dust/fume/gas/mist/vapours/spray
- P264: Wash skin thoroughly after handling
- P270: Do not eat, drink or smoke when using this product
- P273: Avoid release to the environment
- P281: Use personal protective equipment as required
- P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P308+313: IF exposed or concerned: Get medical advice/attention
- P330: Rinse mouth
- P391: Collect spillage
- P405: Store locked up
- P501: Dispose of contents/container to an approved waste disposal plant

## **2.8 HMIS Classification**

Health Hazard:	0
Chronic Health Hazard:	*
Flammability:	0
Physical Hazards:	0

## **2.9 NFPA Rating**

Health Hazard:	0
Fire:	0
Reactivity Hazard:	0

# **Section 3: Composition/Information on Ingredients**

## **3.1 Composition**

Identity:	Mycophenolic acid
IUPAC:	
Synonyms:	6-(4-Hydroxy-6-methoxy-7-methyl-3-oxo-5-phthalanyl)-4-methyl-4-hexenoic acid, 6-(1,3-Dihydro-7-hydroxy-5-methoxy-4-methyl-1-oxoisobenzofuran-6-yl)-4-methyl-4-hexanoic acid
CAS Number:	24280-93-1
Molecular Formula:	C <sub>17</sub> H <sub>20</sub> O <sub>6</sub>
Molecular Weight:	320.34 g/mol

# **Section 4: First Aid Measures**

## **4.1 Detailed First Aid Measures**

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by

<b>Skin:</b>	Remove contaminated clothing. Rinse with water. Continue to rinse for at least 15 minutes. Wash contaminated clothing before reuse. Get medical attention if symptoms are severe or persist.
<b>Eye:</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.
<b>Ingestion:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if symptoms are severe or persist.
<b>Notes to Physician:</b>	Treat symptomatically and supportively.

#### **4.2 Most Important Symptoms And Effects, Either Acute Or Delayed**

The most important known symptoms and effects are described in the labeling (see section 2). And /or in section 11.

#### **4.3 Indication of immediate medical attention and special treatment needed**

Not available

## **Section 5: Fire Fighting Measures**

### **5.1 Conditions of flammability:**

Not flammable or combustible.

### **5.2 Suitable extinguishing media:**

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

### **5.3 Specific hazards arising from the chemical**

Carbon Oxides

### **5.4 Specific protective actions for fire-fighters:**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **Section 6: Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### **6.3 Methods and materials for containment and cleaning up:**

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

## **Section 7: Handling and Storage**

### **7.1 Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

**7.2 Conditions for safe storage, including and incompatibilities:**

Keep container tightly closed.

Store desiccated at 4°C.

## **Section 8: Exposure Controls / Personal Protection**

**8.1 Control Parameters:**

Contains no substances with occupational exposure limit values.

**8.2: Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**8.3 Personal Protective Equipment (PPE):**

**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 EN166(EU).**

**Skin Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique - without touching outer surface of glove - 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. 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).

**Other Protective Clothing or Equipment:** Wear appropriate protective clothing to prevent exposure.

Control of environmental exposure:

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

Discharge into the environment must be avoided.

## **Section 9: Physical and Chemical Properties**

**9.1 General chemical and physical properties**

**Appearance:** Crystalline white powder

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<b>Odor:</b>	Not Available
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	Not Available
<b>Melting Point:</b>	Not Available
<b>Freezing Point:</b>	Not Available
<b>Boiling Point/Range:</b>	Not Available
<b>Flash Point:</b>	Not Available
<b>Evaporation Rate:</b>	Not Available
<b>Lower Explosion Limit:</b>	Not Available
<b>Upper Explosion Limit:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	Not Available
<b>Solubility:</b>	Not Available
<b>Partition Coefficient n-octanol/water:</b>	log Pow: 0.47 at 25 °C (77 °F)
<b>Auto-Ignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	Not Available

## **Section 10: Stability and Reactivity Data**

### **10.1 Reactivity:**

Not available

### **10.2 Chemical Stability:**

Stable under recommended storage conditions.

### **10.3 Possibility of hazardous reactions:**

Not available.

### **10.4 Conditions to avoid:**

Incompatible materials.

### **10.5 Incompatible materials:**

Strong oxidizing agents.

### **10.6 Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

## **Section 11: Toxicological Information**

## **11.1 Toxicological effects**

### **Acute toxicity:**

Mycophenolic acid Oral: Rat LD50 352 mg/kg Remarks: Behavioral:Muscle weakness. Behavioral:Ataxia. Diarrhea

Mycophenolic acid Intravenous: Rat LD50 450 mg/kg Remarks: Behavioral:Muscle weakness. Behavioral:Ataxia. Diarrhea

### **Skin corrosion/irritation:**

No skin irritation

### **Respiratory or skin sensitization:**

Not available.

### **Germ cell mutagenicity:**

In vitro tests showed mutagenic effects

Result: Equivocal evidence.

Histidine reversion (Ames)

Hamster Ovary:

DNA inhibition

Mouse lymphocyte:

DNA inhibition

Mouse Other cell types:

DNA damage

### **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 probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** 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 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:**

Presumed human reproductive toxicant May damage the unborn child. No data available

### **STOT-single exposure:**

Not available.

### **STOT-repeated exposure:**

Ingestion - Causes damage to organs through prolonged or repeated exposure. -  
Immune system

**Aspiration hazard:**

Not available.

**Likely routes of exposure:**

Respiratory organs, mouth, skin, and eyes.

**Symptoms of exposure:**

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

**Additional Information:**

RTECS: MP8050000

Nausea, Vomiting, Diarrhea

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

## **Section 12: Ecological Information**

**12.1 Toxicity:**

Toxicity to algae static test EbC50 - Algae - 0.017 mg/l - 96 h (OECD Test Guideline 201)

**12.2 Persistence and degradability:**

No data available.

**12.3 Bioaccumulative potential:**

No data available.

**12.4 Mobility in soil:**

Not available.

**12.5 Other adverse effects:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

No data available

## **Section 13 Disposal Considerations**

Product:

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a

## **Section 14: Transport Information**

**14.1 US Department of Transportation (DOT)**

This material is considered to be non-hazardous for transport.

**14.2 International Maritime Dangerous Goods (IMDG):**

UN Number: 3077

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

(Mycophenolic acid)  
**Class:** 9  
**Packing Group:** III  
**Marine Pollutant:** Yes

#### **14.2 International Air Transportation Association (IATA)**

**UN Number:** 3077  
**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s.  
(Mycophenolic acid)  
**Class:** 9  
**Packing Group:** III  
**Marine Pollutant:** Yes

#### **Further Information**

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packaging and combination packaging containing inner packaging with Dangerous Goods > 5L for liquids or > 5kg for solids.

### **Section 15: Regulatory Information**

#### **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 Hazards:**

No SARA Hazards.

#### **Massachusetts Right To Know Components:**

Mycophenolic acid CAS - No. 24280-93-1

#### **Pennsylvania Right To Know Components:**

Mycophenolic acid CAS - No. 24280-93-1

#### **New Jersey Right To Know Components:**

Mycophenolic acid CAS - No. 24280-93-1

#### **California Prop. 65 Components:**

This product does not contain any chemical known to the State of California to cause cancer, birth, or any other reproductive defects.

### **Section 16: Other Information**

While Gold Biotechnology, Inc. believes the information contained herein to be true and accurate, it has relied on information provided by others. Gold Biotechnology, INC. makes no



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**Preparation Information**

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