

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

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**1.1 Product identifiers**

Product Name: BP1 (or Biotin 1,3 cyclopentanedione)

Product Number: BP001-2

CAS-No: 1332460-36-2

**1.2 Recommended use and restrictions on use**

Laboratory chemical for research use only, not for human or veterinary use.

**1.3 Supplier address and contact information**

Company Name: Xoder Technologies, LLC

Address: 575 N. Patterson Ave. Mailbox 4, Winston-Salem, NC 27101

Phone number: 336-842-5408

Email: info@xodertech.com

Website address: www.xodertech.com

**1.4 Emergency phone # +1 (203) 824-0232**

***SECTION 2. HAZARDS IDENTIFICATION***

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**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS Label elements, including precautionary statements**

None, this is not a hazardous substance or mixture.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

***SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS***

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**3.1 Substances**

Synonyms: N-(2-((2,4-dioxocyclopentyl)thio)ethyl)-5-((3aS,4S,6aR)-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanamide

Formula: C<sub>17</sub>H<sub>25</sub>N<sub>3</sub>O<sub>4</sub>S<sub>2</sub>

Molecular weight: 399.52 g/mol

CAS Number: 1332460-36-2

Concentration and physical state: white solid, purity >95%

No components need to be disclosed according to the applicable regulations.

#### ***SECTION 4. FIRST-AID MEASURES***

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##### **4.1 Description of first aid measures**

**If inhaled:** move person to fresh air and if not breathing, give artificial respiration and get immediate medical attention.

**In case of skin contact:** wash skin with soap and plenty of water, get medical attention if symptoms develop.

**In case of eye contact:** flush eyes with plenty of water as a precaution, get medical attention if symptoms develop.

**If ingested:** Rinse mouth with water if the person is conscious. Never give anything by mouth to an unconscious person, get immediate medical attention.

##### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in Section 2 and Section 11.

##### **4.3 Indication of any immediate required treatment**

No data available

#### ***SECTION 5: FIRE-FIGHTING MEASURES***

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##### **5.1 Suitable extinguishing techniques and equipment**

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

##### **5.2 Flammable properties and hazards**

No data available.

##### **5.3 Fire-fighting instructions**

As in any fire, wear self-contained breathing apparatus, and full protective gear to prevent contact with skin and eyes.

#### ***SECTION 6: ACCIDENTAL RELEASE MEASURES***

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

Avoid dust formation and breathing of dust, vapors, mist or gas. For personal protection see Section 8.

##### **6.2 Environmental precautions**

Avoid release into the environment. Do not let product enter drains.

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

Contain spill and collect, as appropriate, in a chemical waste container for disposal in accordance with local regulations.



## *SECTION 7: HANDLING AND STORAGE*

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

Avoid breathing dust/fume/gas/mist/vapors/spray and/or prolonged or repeated exposure. Work in areas with appropriate exhaust ventilation.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Recommended long term storage at -20 °C . Storage class (TRGS 510): 13: Non-Combustible Solids

## *SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION*

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### **8.1 Control parameters**

#### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls**

#### **Engineering controls**

General industrial hygiene practice to control airborne levels below recommended exposure limits.

#### **Personal protective equipment**

##### **Eye/face**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **Skin protection**

Handle with compatible chemical-resistant gloves. After use, dispose the gloves in accordance with applicable laws and good laboratory practices.

##### **Body Protection**

Lab coat recommended. The type of protective equipment must be selected according to the concentration and amount of the substance at the specific workplace.

##### **Respiratory protection**

As conditions warrant, use NIOSH approved respirator.

#### **Work/hygienic/maintenance practices**

Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

## *SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES*

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### **9.1 Basic Physical and Chemical Properties**

<b>Physical States:</b>	Solid
<b>Appearance:</b>	White
<b>Odor:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Pt:</b>	No data available.
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower flammability or explosive limits:</b>	No data available.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data available.
<b>Vapor Density (vs. Air = 1):</b>	No data available.
<b>Specific Gravity (Water = 1):</b>	No data available.
<b>Water Solubility:</b>	No data available.
<b>Octanol/Water Partition Coefficient:</b>	No data available.
<b>Autoignition Pt:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available

## 9.2 Other information

**Percent Volatile:** No data available.

**Molecular Formula & Weight:** C<sub>17</sub>H<sub>25</sub>N<sub>3</sub>O<sub>4</sub>S<sub>2</sub>, 399.52 g/mol

## *SECTION 10. STABILITY AND REACTIVITY*

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- 10.1 Reactivity.** No data available.
- 10.2 Chemical stability.** Stable for at least 6 months when stored at -20 °C .
- 10.3 Possibility of hazardous reactions.** No data available
- 10.4 Conditions to avoid.** No data available.
- 10.5 Incompatible materials.** No data available.
- 10.6 Hazardous decomposition products.** No data available, see also Section 5.

## *SECTION 11. TOXICOLOGICAL INFORMATION*

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

**Carcinogenicity.** 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**, as a carcinogen or potential carcinogen by **ACGIH**, as a known or anticipated carcinogen by **NTP**, nor is it on OSHA's list of regulated carcinogens.

## ***SECTION 12. ECOLOGICAL INFORMATION***

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- 12.1 Toxicity.** Avoid release into the environment. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.
- 12.2 Persistence and degradability.** No data available.
- 12.3 Bioaccumulative potential.** No data available.
- 12.4 Mobility in soil.** No data available.
- 12.5 Results of PBT and vPvB assessment.** No data available.
- 12.6 Other adverse effects.** No data available.

## ***SECTION 13. DISPOSAL CONSIDERATIONS***

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**Waste disposal method.** Dispose in accordance with local, state, and federal regulations.

## ***SECTION 14. TRANSPORT INFORMATION***

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- 14.1 Land transportation (US DOT).** Not dangerous goods.
- 14.2 Transportation by water on vessel (IMDG).** Not dangerous goods.
- 14.3 Air transportation (ICAO/IATA).** Not dangerous goods.
- 14.4 Additional Transport Information:** Transport in accordance with local, state, and federal regulations.

## ***SECTION 15. REGULATORY INFORMATION***

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### **15.1 SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

**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 Hazards.** No SARA Hazards

### **15.2 Other US EPA or State Lists**

No components are subject to the Massachusetts Right to Know Act, Pennsylvania Right to Know Act, New Jersey Right To Know Components, or California Prop. 65 Components

### **15.3 Regulatory information statement**

This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) Statement: No.1272/2008.

*SECTION 16. OTHER INFORMATION*

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**Revision Date:** 8/30/2021

**Additional Information About This Product:** None.

**COMPANY DISCLAIMER:** This information represents the best information currently available to us and should be used only as a guide for safety precautions. It does not represent any guarantee of the properties of the product. Users should determine the suitability of the information for their particular purposes. Xoder Technologies, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.