

Safety Data Sheet

Revision: 01

Date: May 5, 2023

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1. Product Identifiers

Product Name Collagen Hybridizing Peptide –BiotinConjugate (B-CHP)
Catalog No 5265
Brand Name Biotin Conjugate
CAS No. n/a

Relevant identified uses of the substance or mixture and uses advised against

Identified Uses Laboratory reagent

2. Details of the supplier of the safety data sheet

Company Advanced BioMatrix, Inc.
5930 Sea Lion Place
Carlsbad, CA 92010 USA
Phone: 1-800-883-8220
1-760-929-0755 outside USA
Fax 1-510-217-3452

4. Emergency telephone number

Emergency Phone No. 1-800-883-8220

SECTION 2 – HAZARDS IDENTIFICATION

1. Classification of the substance or mixture

Not a hazardous substance or mixture.

Classification according to Regulation (EC) No. 1272/2008

2. GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

3. Hazards not otherwise classified (HNOC) or not covered by GHS – None

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

1. Substances

Chemical Name: Collagen Hybridizing Peptide –BiotinConjugate (B-CHP)

Formula: C124H181N31O39S

Molecular Weight: 2762.01

CAS No. n/a

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No ingredients hazardous according to Regulation (EC) No. 1272/2008.

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

SECTION 4 – FIRST AID MEASURES

1. Eye Contact

In case of contact with eyes, flush with copious amounts of water for at least 20 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

2. Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water.

3. Inhalation

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

4. Ingestion

If swallowed, wash out mouth with water provided person is conscious. Call a physician. Do not induce vomiting unless advised by medical personnel.

5. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

6. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5 – FIREFIGHTING MEASURES

1. Extinguishing media

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

2. Special hazards arising from the substance or mixture

Implement standard safety precautions for handling organic powders.

Eliminate sources of ignition, such as static buildup.

Maintain good housekeeping. Provide adequate ventilation.

3. Advice for firefighters

Wear self-contained breathing apparatus for firefight if necessary.

4. Further Information

No data available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

Avoid breath vapors, mist or gas.

For personal protection see section 8.

2. Environmental precautions

Do not let product enter drains.

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3. **Methods and materials for containment and cleaning up**

Stop leaks. Eliminate ignition sources. Vacuum and put in a disposable container. Use care to avoid dust generation.

4. **Reference to other sections**

For disposal see section 13.

SECTION 7 – HANDLING AND STORAGE

1. **Precautions for safe handling**

Provide appropriate exhaust ventilation at place where dust is formed. For precaution see section 2.2

2. **Conditions for safe storage, including any incompatibilities**

Store in a cool and dry area. Keep container tightly closed to avoid moisture pickup. Wash hands and face thoroughly after handling. Avoid strong oxidizing agents
Recommend storage: Protect from light. Store at -20°

3. **Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

1. **Workplace control parameters**

The product does not contain any substances with occupational exposure limit values.

2. **Exposure controls**

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/Face protection

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 to avoid skin contact with this product. Dispose of the contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Choose body protection in relations to its type, to the concentration and amount of dangerous substances, and to the specific work place. The type of protective equipment must be selected according to the concentration and the amount of the dangerous substance at the specific work place.

Respiratory protection

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Respiratory protection is not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------|
| Appearance | |
| Form | Solid, powder |
| Color | white |
| Odor | No data available |
| Odor threshold | No data available |
| pH | No data available |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability | No data available |
| Upper/lower flammability | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Water solubility | No data available |
| Partition coefficient: n- octanol/water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | No data available |
| Chemical stability | Stable under recommend storage conditions |
| Possibility of hazardous reactions | No data available |
| Conditions to avoid | No data available |
| Incompatible material | Strong oxidizing agents |

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Hazardous decomposition products

Carbon oxides, hydrocarbons, etc.

In the event of fire: see section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|-----------------------------------|---|
| Acute toxicity | Acute oral toxicity: LD50>2,000mg/kg (rat) |
| Inhalation | Exposure to low levels of dust can result in lung irritation and inflammation. |
| Dermal | No data available |
| Skin corrosion/irritation | May cause skin irritation. |
| Serious eye damage/eye irritation | May cause eye irritation. |
| Respiratory or skin sensitization | Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. |
| Germ cell mutagenicity | Negative (Ames test) |
| 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. |
| IARC | 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. |
| ACGIH | No components of this product present at levels greater than or equal to 0.1% is identified as known or anticipate carcinogen by NTP. |
| NTP | No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| OSHA | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity | No data available |
| Single exposure | No data available |
| Repeated exposure | No data available |
| Aspiration hazard | No data available |
| Additional information | |

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RTECS

No data available

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

SECTION 12 – ECOLOGICAL INFORMATION

| | |
|------------------------------------|---|
| Toxicity | No data available |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. |
| Other adverse effect | No data available |

SECTION 13 – DISPOSAL CONSIDERATIONS

Product

Dispose in an approved chemical waste landfill or incinerate in accordance with Federal, State, and local regulations.

Contaminated packaging

Dispose of as unused product.

SECTION 14 – TRANSPORT INFORMATION

| | |
|------|---------------------|
| ADR | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

SECTION 15 – REGULATORY INFORMATION

| | |
|---------------------|--|
| 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 |

SARA 311/312 Hazards
Massachusetts Right To Know Components

Pennsylvania Right To Know Components

New Jersey Right To Know Components

California Prop. 65 Components

levels established by SARA Title III,
Section 313.
No SARA Hazards
No components are subject to the
Massachusetts Right To Know Act.
No components are subject to the
Pennsylvania Right To Know Act.
No components are subject to the
New Jersey Right To Know Act.
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

| | |
|-----------------------|---|
| HMIS Rating | |
| Health hazard | 0 |
| Chronic Health Hazard | 0 |
| Flammability | 0 |
| Physical Hazard | 0 |
| NFPA Rating | |
| Health hazard | 0 |
| Fire Hazard | 0 |
| Reactivity Hazard | 0 |

Further information:

This information has been prepared by Advanced BioMatrix, Inc. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Advanced BioMatrix, Inc. and its Affiliates shall not be held liable for any damages resulting from handling or from contact with the above product. See www.advancedbiomatrix.com for additional terms and conditions of sale.

Preparation Information:

Advanced BioMatrix, Inc.
1-800-883-8220