

Safety Data Sheet

should take into account the fire, health and chemical hazard data given on this sheet.

Section I. Identification of the substance

Product Name: MagicLink Site Specific Biotinylation Kit

Product code: BP-50123, BP-50124, BP-50125, BP-50126

Component A: Biotin Linker

Supplier: Broadpharm, 6625 Top Gun Street, Suite# 103, San Diego, CA 92121, USA.

Tel: +1-858-677-6760

Section II. Hazards identification

GHS – Classification

Classification – Not classified as a hazard

Section III. Composition and information on ingredients.

Name: Biotin Linker

Formula: C₅₅H₈₃N₅O₁₇S₃

MW: 1182.47

CAS: N/A

Section IV. First aid measures

- 1.Skin contact:* Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.
- 2.Eye contact:* Immediately wash skin with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
- 3.Inhalation:* Remove to fresh air. In severe cases or if symptoms persist, seek medical attention.
- 4. Ingestion:* Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Section V. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

Section VI. Accidental release measures

Personal precautions. Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.

Respiratory precaution: Wear approved mask/respirator

Hand precaution: Wear suitable gloves/gauntlets

Skin protection: Wear suitable protective clothing

Eye protection: Wear suitable eye protection

Methods for cleaning up: Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container for disposal. See section 12.

Environmental precautions: Do not allow material to enter drains or water courses.

Section VII. Handling and storage

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who

Storage: Store in closed vessels at -20°C.

Section VIII. Exposure Controls / PPE

Engineering Controls: Use only in a chemical fume hood.

Personal protective equipment: Wear chemical-resistant gloves, safety goggles.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section IX. Physical and chemical properties

Appearance: Yellow oil

Odor: No data

Boiling point: No data

Melting point: No data

Flash point: No data

Density: No data

Molecular formula: C₅₅H₈₃N₅O₁₇S₃

Molecular weight: 1182.47

Section X. Stability and reactivity

Conditions to avoid: Heat, flames and sparks.

Materials to avoid: Oxidizing agents.

Possible hazardous combustion products: No data available.

Section XI. Toxicological information

No data

Section XII. Ecological information

No data

Section XIII. Disposal consideration

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

Section XIV. Transportation information

Non-hazardous for air and ground transportation.

Section XV. 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.

Section XVI. Other information

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Safety Data Sheet

Section I. Identification of the substance

Product Name: MagicLink Site Specific Biotinylation Kit

Product code: BP-50123, BP-50124, BP-50125, BP-50126

Component B: Reaction Buffer pH8

Supplier: Broadpharm, 6625 Top Gun Street, Suite# 103, San Diego, CA 92121, USA.

Tel: +1-858-677-6760

Section II. Hazards identification

GHS – Classification

Classification – Not classified as a hazard

Section III. Composition and information on ingredients.

Name: Reaction Buffer

Formula: NaCl, KCl, Na₂HPO₄, KH₂PO₄

MW: N/A

CAS: N/A

Section IV. First aid measures

- 1.Skin contact:* Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.
- 2.Eye contact:* Immediately wash skin with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
- 3.Inhalation:* Remove to fresh air. In severe cases or if symptoms persist, seek medical attention.
- 4. Ingestion:* Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Section V. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

Section VI. Accidental release measures

Personal precautions. Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.
Respiratory precaution: Wear approved mask/respirator
Hand precaution: Wear suitable gloves/gauntlets
Skin protection: Wear suitable protective clothing
Eye protection: Wear suitable eye protection

Methods for cleaning up: Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container for disposal. See section 12.

Environmental precautions: Do not allow material to enter drains or water courses.

Section VII. Handling and storage

Handling: Always wear recommended Personal Protective Equipment. No special handling advice required.

Storage: Store in closed vessels at 4°C.

Section VIII. Exposure Controls / PPE

Engineering Controls: N/A

Personal protective equipment: Wear chemical-resistant gloves, safety goggles.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section IX. Physical and chemical properties

Appearance: colorless liquid

Odor: No data

Boiling point: No data

Melting point: No data

Flash point: No data

Density: No data

Molecular formula: N/A

Molecular weight: N/A

Section X. Stability and reactivity

Stability: Stable under normal condition.

Materials to avoid: No dangerous reaction known under conditions of normal use.

Hazardous decomposition: None under normal use.

Product polymerization: Hazardous polymerization does not occur.

Section XI. Toxicological information

Not hazardous

Section XII. Ecological information

Ecotoxicity effects: No information available.

Mobility: No information available.

Biodegradation: Inherently biodegradable.

Bioaccumulation: Does not bioaccumulate.

Section XIII. Disposal consideration

This product should be disposed of in accordance with local waste disposal authority guidelines.

Section XIV. Transportation information

Non-hazardous for air and ground transportation.

Section XV. 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.

Section XVI. Other information

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Safety Data Sheet

Section I. Identification of the substance

Product Name: MagicLink Site Specific Biotinylation Kit

Product code: BP-50123, BP-50124, BP-50125, BP-50126

Component D: DMSO

Supplier: Broadpharm, 6625 Top Gun Street, Suite# 103, San Diego, CA 92121, USA.

Tel: +1-858-677-6760

Section II. Hazards identification

GHS – Classification

Classification – Not classified as a hazard

Section III. Composition and information on ingredients.

Name: Dimethyl Sulfoxide

Formula: (CH₃)₂SO

MW: 78.1

CAS: 67-68-5

Section IV. First aid measures

- 1. Skin contact:* Rinse with plenty of water. If symptoms arise, call a physician.
- 2. Eye contact:* Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
- 3. Inhalation:* Move to fresh air. If symptoms persist call a physician. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- 4. Ingestion:* Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Section V. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

Section VI. Accidental release measures

Personal precautions. Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.

Hand precaution: Wear suitable gloves/gauntlets

Skin protection: Wear suitable protective clothing

Eye protection: Wear suitable eye protection

Methods for cleaning up: Soak up with inert absorbent material.

Environmental precautions: N/A.

Section VII. Handling and storage

Handling: Always wear recommended personal protective equipment. Keep away from heat and sources of ignition. Keep away from incompatibles such as oxidizing agents.

Storage: Keep in a dry, cool and well-ventilated place. Hygroscopic. Sensitive to light. Keep container tightly closed and sealed until ready for use.

Section VIII. Exposure Controls / PPE

Engineering Controls: Ensure adequate ventilation, especially in confined area.

Personal protective equipment: Wear chemical-resistant gloves, safety goggles.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section IX. Physical and chemical properties

Appearance: liquid

Odor: Sulfurous (slight).

Boiling point: 189 °C (372.2 °F)

Melting point: 18.45 °C (65.2 °F)

Flash point: closed cup: 89 °C (192.2 °F), open cup: 95 °C (203 °F)

Density: Specific gravity 1.1008 (water = 1)

Molecular formula: (CH₃)₂SO

Molecular weight: 78.1

Section X. Stability and reactivity

Stability: Stable under normal conditions.

Materials to avoid: Oxidizing agents, reducing agents, acids, alkalis.

Hazardous decomposition: None under normal use.

Section XI. Toxicological information

Potential Health effects

Eyes: May cause eye irritation with susceptible persons.

Skin: May cause skin irritation in susceptible persons.

Inhalation: May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. Effects on kidneys, blood, and liver.

Section XII. Ecological information

Ecotoxicity effects: No information available.

Biodegradation: Inherently biodegradable.

Bioaccumulation: Does not bioaccumulate.

Section XIII. Disposal consideration

Dispose in accordance with national and regional regulations.

Section XIV. Transportation information

Non-hazardous for air and ground transportation.

Section XV. 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.

Section XVI. Other information

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Safety Data Sheet

Section I. Identification of the substance

Product Name: MagicLink Site Specific Biotinylation Kit
Product code: BP-50123, BP-50124, BP-50125, BP-50126
 Component E: TCEP-HCl

Supplier: Broadpharm, 6625 Top Gun Street, Suite# 103, San Diego, CA 92121, USA.
 Tel: +1-858-677-6760

Section II. Hazards identification

GHS – 

Classification – Skin corrosion/irritation (Category 1A, B, C), H314
 Danger: Cause severe skin burn and eye damage

Section III. Composition and information on ingredients.

Name: Tris(2-carboxyethyl)phosphine, HCl
Formula: C₉H₁₅O₆P.ClH
MW: 286.6
CAS: 51805-45-9

Section IV. First aid measures

- Skin contact:* Rinse with plenty of water. May cause irritation. If symptoms arise, call a physician.
- Eye contact:* Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes (remove contact lenses, if present). If symptoms persist, call a physician.
- Inhalation:* Move to fresh air.
- Ingestion:* If swallowed, immediately call a poison center or physician. Do not induce vomiting.

Section V. Fire fighting measures

Use dry sand, dry chemical or alcohol-resistant foam for extinction.
 Special hazard: carbon monoxide, hydrogen chloride.

Section VI. Accidental release measures

Personal precautions. Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards.
Hand precaution: Wear suitable gloves/gauntlets
Skin protection: Wear suitable protective clothing
Eye protection: Wear suitable eye protection
Methods for cleaning up: Sweep up or vacuum up spillage and collect in suitable container for disposal.
Environmental precautions: Do not allow material to enter drains or water courses.

Section VII. Handling and storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electro-static charge.
Storage: Keep in a dry, cool and well-ventilated place.

Section VIII. Exposure Controls / PPE

Engineering Controls: Ensure that eyewash stations and safety showers are close to the

workstation location. Ensure adequate ventilation, especially in confined areas. Use under a chemical fume hood.

Personal protective equipment: Wear chemical-resistant gloves, safety goggles.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section IX. Physical and chemical properties

Appearance: white solid
Odor: No data
Boiling point: No data
Melting point: 170 – 190 °C
Flash point: No data
Density: No data
Molecular formula: C₉H₁₅O₆P.ClH
Molecular weight: 286.6

Section X. Stability and reactivity

Stability: Stable under normal conditions.
Materials to avoid: Explosives, spontaneously combustible substances, oxidizing substances, organic peroxides.
Hazardous decomposition: Carbon monoxide, hydrogen chloride.

Section XI. Toxicological information

Acute Toxicity: Oral, dermal exposures. Call a poison center or physician.
Eyes: Causes serious eye damage.
Skin: Causes skin irritation.
Inhalation: N/A.
Ingestion: Toxic. Call a poison center or physician.

Section XII. Ecological information

Ecotoxicity effects: Toxic to aquatic life. Avoid release to the environment.
Biodegradation: No data.
Bioaccumulation: Does not bioaccumulate.

Section XIII. Disposal consideration

Dispose in accordance with national and regional regulations.

Section XIV. Transportation information

Non-hazardous for air and ground transportation when packaged in small quantity (less than 1 mL) as a kit component..

Section XV. Regulatory information

Indication of Danger: No data.
Risk Statement: Cause severe skin burns and eye damage.
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.

Section XVI. Other information

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