

**SAFETY DATA SHEET**

Date: March 25, 2022

**1. PRODUCT AND COMPANY IDENTIFICATION****Product Name:** Phalloidin Conjugates  
**Catalog Number:**

Phalloidin Conjugate	Catalog Number
Phalloidin, CF®350	00049
Phalloidin, CF®405M	00034
Phalloidin, CF®430	00054
Phalloidin, CF®440	00055
Phalloidin, CF®488A	00042
Phalloidin, CF®532	00051
Phalloidin, CF®543	00043
Phalloidin, CF®555	00040
Phalloidin, CF®568	00044
Phalloidin, CF®583R	00064
Phalloidin, CF®594	00045
Phalloidin, CF®633	00046
Phalloidin, CF®640R	00050
Phalloidin, CF®647	00041
Phalloidin, CF®660C	00052
Phalloidin, CF®660R	00047
Phalloidin, CF®680R	00048
Phalloidin, CF®680	00053
Phalloidin, Fluorescein	00030
Phalloidin, Rhodamine	00027
Phalloidin, Rhodamine 110	00032
Phalloidin, Sulforhodamine 101 (Texas Red®)	00033
Phalloidin, Biotin-XX	00028

**Unit Size:** 50 U or 300 U  
**Manufacturer/Supplier:** Biotium, Inc.  
46117 Landing Parkway, Fremont, CA 94538, USA  
Phone: 1-510-265-1027, Fax: 1-510-265-1352  
Web: <http://www.biotium.com>

Use as laboratory reagent. For research use only. Not for food, drug, household, or cosmetic use.

**2. HAZARDS IDENTIFICATION****GHS classification** None  
**Signal word** None  
**Health hazards** None  
**Physical hazards** None  
**Hazard statements** None  
**Precautionary statements** None  
**GHS hazard pictogram** None**WHMIS classification** None**NFPA Rating**  
Health hazard: 4

Fire: 0  
Reactivity Hazard: 0

**Classification according to Regulation (EC) No 1272/2008[CLP]**

Acute toxicity, Oral (Category 2)  
Acute toxicity, Inhalation (Category 2)  
Acute toxicity, Dermal (Category 2)

**Labeling according to Regulation (EC) No 1272/2008[CLP]**

**Hazard pictogram**



**Signal word** Danger

**Hazard statements** H300 + H310 - Fatal if swallowed or in contact with skin  
H330 - Fatal if inhaled.

**Precautionary statements**

P260 - Do not breathe dust/ fume/ gas/ mist/ vapours/ spray  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/ protective clothing.  
P284 - Wear respiratory protection.  
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water.  
P310 - Immediately call a POISON CENTER or doctor/ physician.

**Potential Health Effects**

Inhalation - May be fatal if inhaled. May cause respiratory tract irritation.  
Skin - May be fatal if absorbed through skin. May cause skin irritation.  
Eye - May cause eye irritation.  
Ingestion - May be fatal if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.	Weight %	Classification
Phalloidin	17466-45-4	241-484-5	>99%	Regulation (E/C) No 1272/2008[CLP]:  Acute toxicity, Oral (Category 2)  Acute toxicity, Inhalation (Category 2)  Acute toxicity, Dermal (Category 2)

**Note:** Phalloidin conjugates are chemically modified phalloidin derivatives with no assigned CAS number or hazard classifications. The hazard information provided in this document applies to the unmodified phalloidin compound used to make the conjugates.

4. FIRST-AID MEASURES

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**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. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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## 5. FIREFIGHTING MEASURES

### Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

### Special protective equipment for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

### Environmental precautions

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

### Methods and materials for containment and cleaning up

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid inhalation of vapor or mist.

Avoid direct contact with substance.

### Conditions for safe storage

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

Store at -20 °C.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

None

### Personal protective equipment

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) 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.

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Hygiene measures

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Phalloidin Conjugate
Appearance	Solid
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point	No data available

Flash point	No data available
Evaporate rate	No data available
Flammability	No data available
Explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
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

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available

### Conditions to avoid

Heat, flames and sparks.

### Materials to avoid

No data available

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Oral LD50** None

**Inhalation LC50** None

**Dermal LD50** None

### Other information on acute toxicity

May be fatal if swallowed. May be fatal in contact with skin. May be fatal if inhaled.

**Skin corrosion/irritation** No data available

**Serious eye damage/eye irritation** No data available

**Respiratory or skin sensitization** No data available

**Germ cell mutagenicity** No data available

### 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 a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated 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** No data available

### Specific target organ toxicity - single exposure (Globally Harmonized System)

No data available

### Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

### Aspiration hazard

No data available

**Potential health effects**

Inhalation May be fatal if inhaled.  
Ingestion May be fatal if swallowed.  
Skin May be fatal if absorbed through skin.  
Eyes May cause eye irritation.

**Additional Information**

RTECS: None

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**12. ECOLOGICAL INFORMATION**

**Toxicity** No information available  
**Persistence and degradability** No information available  
**Bioaccumulative potential** No information available  
**Mobility in soil** No information available  
**Results of PBT and vPvB assessment** No information available  
**Other adverse effects** No information available  
**Additional information** No information available

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**13. DISPOSAL CONSIDERATIONS**

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

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**14. TRANSPORT INFORMATION**

**IATA, IMDG, DOT (US), TDG**  
**UN number** 2811  
**UN proper shipping name** Toxic solid, organic, n.o.s. (phalloidin)  
**Transport hazard class** 6.1  
**Packing group** II  
**Environmental hazards** No information available  
**Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code** None  
**Special precaution for user** Toxic

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**15. REGULATION INFORMATION**

**US Federal Regulations**  
US Toxic Substances Control Act (TSCA): Not listed  
SARA 302: No chemicals were found.  
SARA 313: No chemicals were found.  
SARA 311/312: No chemicals were found

**WHMIS Hazard Class** None

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**16. OTHER INFORMATION**Classification according to Regulation (EC) Nr. 1272/2008  
Refer to section 2 and section 3Prepared by: Regulatory Department  
Biotium Inc.

Version no. 7

Revision date (Initials) 3/25/2022 (JD)

Reason for revision Updated CAS and EC numbers.

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling

potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.