

## Safety Data Sheet

### Phalloidin - FITC

Cat. # orb1289368

#### 1 - Product Information

##### 1.1 Product identifier

Product Name: Phalloidin – FITC

CAS Number: 915026-99-2

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

For research use only.

#### 2 - HAZARDS IDENTIFICATION

##### 2.1 GHS Hazard Classification

Acute toxicity, Oral (Category 2)

Acute toxicity, Inhalation (Category 2)

Acute toxicity, Dermal (Category 2)

##### 2.2 GHS label elements



##### Pictogram

**Signal word:** Danger

##### Hazard statements:

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled.

##### Precautionary statements:

##### Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash ... thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 [In case of inadequate ventilation] wear respiratory protection.

##### Response:

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.

P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/ doctor.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

Reduced Labelling (<= 125 ml)



**Pictogram**

**Signal word:** Danger

**Hazard statements:**

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled.

**Precautionary Statements:**

None

**Physical and chemical hazards**

Not classified based on available information.

**Health hazards**

Fatal if swallowed. Fatal if inhaled. Fatal in contact with skin.

**Environmental hazards**

Not classified based on available information.

**2.3 Other hazards**

No data available.

**3 - COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

Substance / Mixture: Substance

CAS-No.: 915026-99-2

M.W.: 1177.26 Da

Components:

Chemical name	CAS-No.	Concentration (% w/w)
Phalloidin, Fluorescein Isothiocyanate Labeled	915026-99-2	<= 100

#### 4 - First Aid Measures

General advice : First aiders need to protect themselves.

Show this safety data sheet to the doctor in attendance.

If inhaled: After inhalation: fresh air. Immediately call in physician.

If breathing stops immediately apply artificial respiration, if necessary also oxygen.

In case of skin contact: In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

In case of eye contact : After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed: If swallowed: give water to drink (two glasses at most). Seek medical advice immediately.

In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in people who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

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

Protection of first aiders: For personal protection see section 8.

Notes to physician : No data available

#### 5 - Fire Fighting Measures

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

Water

Foam

Carbon dioxide (CO<sub>2</sub>)

Dry powder

##### **Unsuitable extinguishing media:**

For this substance/mixture no limitations of extinguishing agents are given.

##### **Specific hazards during firefighting:**

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

##### **Hazardous combustion products:**

Carbon oxides Nitrogen oxides (NO<sub>x</sub>)

Sulphur oxides

##### **Specific extinguishing methods:**

Suppress (knock down) gases/vapours/mists with a water spray jet.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

##### **Special protective equipment for fire-fighters:**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

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## 6 - Accidental Release Measures

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

Advice for non-emergency personnel:

Avoid generation and inhalation of dusts in all circumstances.

Avoid substance contact. Ensure adequate ventilation.

Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: For personal protection see section 8.

### 6.2 Environmental precautions

Do not let products enter drains.

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

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7 and 10).

Take it up carefully. Dispose of properly. Clean up affected area.

Avoid generations of dust.

## 7 - Handling and Storage

### 7.1 Precautions for safe handling

For precautions see section 2.2.

Advice on safe handling: Work under hood. Do not inhale substance/mixture.

Avoidance of contact: Strong oxidizing agents

### 7.2 Conditions for safe storage, including any incompatibility

Further information on storage conditions:

Tightly closed.

Dry.

Keep in a well-ventilated place.

Keep locked up or in an area accessible only to qualified or authorized people.

Storage class:

6.1A, Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials

Recommended storage temperature:

-20 °C

## 8 - Exposure Controls

### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures:** No data available

### Individual protection measures

Respiratory protection	required when dust is generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143,
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	DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Recommended Filter type	Filter type P3
	The entrepreneur must ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures must be properly documented.
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection	Safety glasses. Protective clothing
Hand protection	Nitrile rubber

## 9 - Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance Solid

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 (solid, gas) No data available

Upper/lower flammability or explosive limits No data available

Vapor pressure No data available

Vapor density No data available

Density/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

## 10 - Stability and Reactivity

### 10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

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

No data available

### **10.4 Conditions to avoid**

No data available

### **10.5 Incompatible materials**

Strong oxidizing agents

### **10.6 Hazardous decomposition products**

In the event of fire: see section 5

## **11 - Toxicological Information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

Oral: No data available

LC50 Inhalation - 4 h - 0.0501 mg/l - dust/mist

LD50 Dermal - 50.01 mg/kg

#### **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**

No data available

#### **Reproductive toxicity**

No data available

#### **Specific target organ toxicity (single exposure)**

No data available

#### **Specific target organ toxicity (repeated exposure)**

No data available

#### **Aspiration hazard**

No data available

#### **Potential health effects**

Inhalation: May be fatal if inhaled. May cause respiratory irritation.

Ingestion: May be fatal if swallowed.

Skin: May be fatal if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

### **Signs and symptoms of exposure**

Clinical examination findings of mushroom poisoning include fatty degeneration of the liver, kidneys, heart, and skeletal muscles.

### **Additional Information**

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

## **12 - Ecological Information**

### **12.1 Ecotoxicity**

No data available

### **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

## **13 - Disposal Considerations**

### **13.1 Waste treatment methods**

#### **Waste from residues**

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

## **14 - Transport Information**

### **IATA-DGR**

UN/ID No. : UN 2811

Proper shipping name : Toxic solid, organic, n.o.s.

(Phalloidin, Fluorescein Isothiocyanate Labeled)

Class : 6.1

Packing group : II

Labels : Division 6.1 - Toxic substances

Packing instruction (cargo aircraft) : 676

Packing instruction (passenger aircraft) : 669

### **IMDG-Code**

UN number: UN 2811

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S.

(Phalloidin, Fluorescein Isothiocyanate Labeled)

Class : 6.1

Packing group : II

Labels : 6.1

EmS Code : F-A, S-A

Marine pollutant: no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### **National Regulations**

#### **JT/T 617**

UN number: UN 2811

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S.

(Phalloidin, Fluorescein Isothiocyanate Labeled)

Class: 6.1

Packing group : II

Labels : 6.1

Environmentally hazardous: no

#### **Special precautions for user**

The transport classification(s) provided herein are for informational purposes only and solely based upon the properties of the unpackaged material as is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## **15 - Regulatory Information**

### **National regulatory information**

#### **Regulations on Safety Management of Hazardous Chemicals**

Catalogue of Hazardous Chemicals: This product is not listed in the catalogue of hazardous chemicals, but it meets the definition of hazardous chemicals and its principles of determination.

Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218)

No. / Code: J5

Chemical name / Category: Acute toxic

Threshold quantity: 500 t

Hazardous Chemicals for Priority Management under SAWS: Not listed

#### **Regulations on Labour Protection in Workplaces where Toxic Substances are Used**

Catalogue of Highly Toxic Chemicals: Not listed

#### **Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals**

China Severely Restricted Toxic Chemicals for Import and Export: Not listed

**Measures on the Environmental Administration of New Chemical Substances Registration**

Registration/Notification number: B1A222255322

Downstream users need to comply with the conditions of safe use of the chemical, understand the environmental and health hazard and risk management measures identified on the SDS as well as the local/national regulations concerning the chemical.

Regulation on the Administration of Precursor Chemicals

Catalogue and Classification of Precursor Chemicals: Not listed

**16 - Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Biorbyt shall not be held liable for any damage resulting from handling or from contact with the above product.