

## Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name: Phalloidin-iFluor® 680 Conjugate  
Product number: 23128

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

Identified uses: For research use only. Not intended for diagnostic or therapeutic use.

#### 1.3 Details of the supplier of the safety data sheet

Company: AAT Bioquest, Inc.  
Address: 5775 W Las Positas Blvd, Pleasanton, CA 94588  
Telephone: (408)-733-1055  
Fax: (408)-733-1304  
Email: [info@aatbio.com](mailto:info@aatbio.com)

#### 1.4 Emergency telephone number

Chemtrec (Within USA): 1-(800)-424-9300  
Chemtrec (Outside USA): 1-(703)-527-3887

### Section 2: Hazard identifications

#### 2.1 Classification of the substance or mixture

Acute toxicity, dermal: Category 2  
Acute toxicity, inhalation: Category 2  
Acute toxicity, oral: Category 2

#### 2.2 Label elements

Signal word: Danger  
Hazard statements: H300 - Fatal if swallowed  
H310 - Fatal in contact with skin  
H330 - Fatal if inhaled

Symbols/Pictograms:



Precautionary statements - prevention:	Wash hands... thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. [In case of inadequate ventilation] Wear respiratory protection.
Precautionary statements - response:	IF SWALLOWED: Get emergency medical help immediately. Specific treatment (see on this label). Rinse mouth. IF ON SKIN: wash with plenty of water. Get emergency medical help immediately. Take off immediately all contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Specific treatment is urgent (see on this label).
Precautionary statements - storage:	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Precautionary statements - disposal:	Dispose of contents/container in accordance with local/regional/national/international regulation.

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

Hazards not otherwise classified (HNOC): Not available

### 2.4 Other information

Other hazards: Not Applicable

## Section 3: Composition/information on ingredients

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### 3.1 Substances

Chemical name:	Phalloidin-iFluor® 680 Conjugate
CAS number:	Not available
Molecular weight:	~2000
Formula:	Not available

## Section 4: First aid measures

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### 4.1 First-aid measures

General advice:	If symptoms occur, seek medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact:	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Immediate medical attention is required.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting without medical advice. Call a physician or poison control center immediately.

Self-protection of the first aider: Use personal protective equipment.

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

Symptoms: H300 - Fatal if swallowed H310 - Fatal in contact with skin H330 - Fatal if inhaled

#### 4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

### Section 5: Firefighting measures

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#### 5.1 Suitable extinguishing media

Suitable extinguishing media: Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

Unsuitable extinguishing media: No information available.

#### 5.2 Specific hazards arising from the chemical

Specific hazards arising from the chemical: None known

Hazardous combustion products: No information available.

#### 5.3 Explosion data

Sensitivity to mechanical impact: No information available.

Sensitivity to static discharge: No information available.

#### 5.4 Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters: Wear self-contained breathing apparatus and protective suit.

### Section 6: Accidental release measures

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

Personal precautions: Ensure adequate ventilation Avoid contact with skin, eyes or clothing  
Avoid breathing vapors or mists Use personal protection equipment  
See section 8 for more information

#### 6.2 Environmental precautions

Environmental precautions: No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.

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

Methods for containment: Take up mechanically, placing in appropriate containers for disposal.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

### Section 7: Handling and storage

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#### 7.1 Precautions for safe handling

Advice on safe handling: Always wear recommended Personal Protective Equipment. See section 8 for more information. Do not get in eyes, on skin, or on clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with local regulations. Protect from direct sunlight. Freezer (-5 to -30 C).
Incompatible materials:	No information available.

## Section 8: Exposure controls/personal protection

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### 8.1 Control parameters

Exposure guidelines:	ALEXA FLUOR 680: OSHA PEL None; OSHA PEL (Ceiling) None; ACGIH OEL (TWA) None; ACGIH OEL (STEL) None; Brazil - OEL - TWAs (LTs) None; Brazil - OEL - Ceilings None; Brazil - OEL - Skin Designations None
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### 8.2 Appropriate engineering controls

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
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### 8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:	Tight sealing safety goggles.
Skin and body protection:	Wear laboratory coat for body protection.
Respiratory protection:	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice

## Section 9: Physical and chemical properties

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Physical state:	Solid
Solubility in water:	Low
Appearance:	No information available.
Odor/odor threshold:	No data
pH:	No information available.
Melting point/freezing point:	No data
Boiling point:	No data
Flashpoint:	No data
Liquid density:	No information available.
Evaporation rate:	No data
Upper flammability limit:	No data
Lower flammability limit:	No data
Vapor pressure:	No data
Vapor density:	No data
Specific gravity:	No data
Water solubility:	No data
Solubility in other solvents:	No information available.
Partition coefficient:	No data
Autoignition temperature:	No data
Decomposition temperature:	No information available.

Viscosity:	No data
Explosive properties:	No data
Oxidizing properties:	No data

## Section 10: Stability and reactivity

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Reactivity:	None known.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Hazardous polymerization:	No information available.
Conditions to avoid:	None known.
Incompatible materials:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	No known hazardous decomposition products.

## Section 11: Toxicological information

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### 11.1 Information on likely routes of exposure

Inhalation:	Fatal if inhaled.
Eye contact:	Data are conclusive but insufficient for classification
Skin contact:	Fatal in contact with skin.
Ingestion:	Fatal if swallowed.

### 11.2 Information on toxicological effects

Symptoms:	Acute toxicity: Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled. Oral LD50: No data available; Dermal LD50: No data available; Inhalation LC50: No data available
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### 11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:	Carcinogenicity: Data are conclusive but insufficient for classification; Germ cell mutagenicity: Data are conclusive but insufficient for classification; Reproductive toxicity: Data are conclusive but insufficient for classification; Specific target organ toxicity (STOT) - single exposure: Data are conclusive but insufficient for classification; Specific target organ toxicity (STOT) - repeated exposure: Data are conclusive but insufficient for classification
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### 11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:	No information available.
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## Section 12: Ecological information

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Ecotoxicity:	The environmental impact of this product has not been fully investigated. ALEXA FLUOR 680: Toxicity to algae No data available; Toxicity to daphnia and other aquatic invertebrates No data available; Toxicity to fish No data available; Microtox Data No data available; log Pow No data available
Persistence and degradability:	No information available.
Bioaccumulation:	No information available.
Mobility:	No information available.

## Section 13: Disposal consideration

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Disposal of wastes:	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations
Contaminated packaging:	Do not reuse container.
Other information:	None

## Section 14: Transport information

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DOT:	IATA / ADR / DOT-US / IMDG: This product is subject to the de minimis exceptions for dangerous goods / hazardous materials in accordance with the following regulations: IATA 2.6.10, ADR 3.5.1.4, and U.S. DOT 49 CFR 173.4b. UN number 2811; UN proper shipping name Toxic solid, organic, n.o.s. (phalloidin); Transport hazard class(es) 6.1; Packing group II
IMDG:	IATA / ADR / DOT-US / IMDG: This product is subject to the de minimis exceptions for dangerous goods / hazardous materials in accordance with the following regulations: IATA 2.6.10, ADR 3.5.1.4, and U.S. DOT 49 CFR 173.4b. UN number 2811; UN proper shipping name Toxic solid, organic, n.o.s. (phalloidin); Transport hazard class(es) 6.1; Packing group II
IATA:	IATA / ADR / DOT-US / IMDG: This product is subject to the de minimis exceptions for dangerous goods / hazardous materials in accordance with the following regulations: IATA 2.6.10, ADR 3.5.1.4, and U.S. DOT 49 CFR 173.4b. UN number 2811; UN proper shipping name Toxic solid, organic, n.o.s. (phalloidin); Transport hazard class(es) 6.1; Packing group II

## Section 15: Regulatory information

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### 15.1 International Inventories

US Toxic Substances Control Act (TSCA):	ALEXA FLUOR 680 ( 98-100 ): -
Canada (DSL/NDSL):	Not listed
Europe (EINECS/ELINCS/NLP):	Not listed
Australia (AICS):	Not listed
South Korea (KECL):	Not listed
China (IECSC):	Not listed
Japan (ENCS):	Not listed
Phillipines (PICCS):	Not listed

### 15.2 US Federal Regulations

SARA 313:	This product is not regulated by SARA.
SARA 311/312 components:	Not listed
CWA (Clean Water Act):	No information available.

### 15.3 US State Regulations

California Proposition 65:	This product does not contain any Proposition 65 chemicals.
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Massachusetts-RTK:	Not listed
New Jersey-RTK:	Not listed
Pennsylvania-RTK:	Not listed
U.S. State Right-To-Know Regulations:	No information available.

## Section 16: Other information

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### 16.1 HMIS

Health hazards:	Not determined
Flammability:	Not determined
Reactivity:	Not determined
Personal protection:	Not determined

### 16.2 NFPA

Health hazards:	Not determined
Flammability:	Not determined
Stability:	Not determined
Physical and chemical properties:	Not determined

### 16.3 Further information

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. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.