

# Safety Data Sheet (SDS)

## 1. Product and Company Identification

### 1.1. Product identifiers

- a. Product name: AF488 Phalloidin [equivalent to Alexa Fluor® 488 phalloidin]  
 b. Product number: 23153  
 c. CAS number: N/A

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

Identified uses: Laboratory chemicals **\*For Research Use Only\***

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

- a. Company: AAT Bioquest, Inc.  
 520 Mercury Drive, Sunnyvale, CA 94085  
 b. Telephone: 408-733-1055  
 c. Fax: 408-733-1304  
 d. E-Mail: [info@aatbio.com](mailto:info@aatbio.com)

### 1.4 Emergency telephone number

Emergency telephone number: 408-489-6491

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture - GHS

### 2.2 Signal Word – Danger



### 2.3 Health Hazard

Acute oral toxicity	Category 4
Acute dermal toxicity	Category 3
Acute Inhalation Toxicity - Dusts and Mists	Category 4

### 2.4 Physical Hazards – None

### 2.5 Hazard statements

- H311 - Toxic if contact with skin  
 H302 - Harmful if swallowed  
 H332 - Harmful if inhaled

### 2.6 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.  
 P312 Immediately call a POISON CENTER or doctor/ physician if you feel unwell.

### 2.7 Potential health effects

Avoid contact and inhalation. To our knowledge, the hazards of this material have not been thoroughly investigated. We recommend handling all chemicals with caution.

a. <i>Inhalation:</i>	No data available (harmful by inhalation)
b. <i>Ingestion:</i>	No data available (harmful if swallowed)
c. <i>Skin:</i>	No data available (toxic and skin irritation)
d. <i>Eyes:</i>	No data available (eye irritation)
e. <i>Chronic exposures:</i>	No data available (potentially harmful)
f. <i>Target organs:</i>	No data available (potentially harmful)
g. <i>Carcinogenic effects:</i>	No data available (potentially harmful)
h. <i>Mutagenic effect:</i>	No data available (potentially harmful)
i. <i>Reproductive toxicity:</i>	No data available (potentially harmful)
j. <i>Sensitization:</i>	No data available (potentially harmful)

### 2.8. HMIS rating

a. <i>Health hazard:</i>	3
b. <i>Flammability:</i>	0
c. <i>Reactivity:</i>	0

### 2.9. NFPA rating

a. <i>Health hazard:</i>	4
b. <i>Flammability:</i>	0
c. <i>Reactivity:</i>	0

## **3. Composition/Information on Ingredients**

<i>Chemical Name</i>	<i>CAS#</i>	<i>EINECS#</i>	<i>Weight%</i>
AF488 Phalloidin [equivalent to Alexa Fluor® 488 phalloidin]	N/A	N/A	1

## **4. First Aid and Measures**

### 4.1. Skin contact

Rinse with plenty of water. Call a physician to seek medical advice if symptoms arise.

### 4.2. Eye contact

Wash thoroughly after handling. If eye or skin contact occurs, immediately wash affected area with soap and copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician to seek medical advice.

### 4.3. Ingestion

Never give anything by mouth to an unconscious person. Call a physician to seek medical advice if symptoms arise.

### 4.4. Inhalation

If swallowed, wash out mouth with water provided person is conscious and call a physician to seek medical advice. If inhaled, move individual to fresh air and call a physician to seek medical advice.

### 4.5. Notes to physician

Treat symptomatically.

## **5. Fire Fighting Measures**

### 5.1. Extinguishing media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

### 5.2. Special firefighting procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 5.3. Unusual fire and explosions hazards

Emits toxic fumes under fire conditions.

## **6. Accidental Release Measures**

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

Use appropriate protective equipment and methods to clean up spilled substances promptly.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

### 6.3. Methods for cleaning up

Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

## **7. Handling and Storage**

### 7.1. Precautions for safe handling

Potentially harmful. Avoid prolonged or repeated exposure. Avoid dust formation. Avoid breathing vapors, mist or gas.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool and well-ventilated place. Protect material from long-term exposure to light.

## **8. Exposure Controls /Personal Protection**

### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

### 8.2. Exposure control

#### a. Engineering measures:

General industrial hygiene practice.

#### b. Personal protective equipment:

Wear appropriate gloves, protective clothing and eyewear and follow safe laboratory practices.

### 8.3. Environmental exposure control

Prevent products from entering drains.

## **9. Physical and Chemical Properties**

Appearance:	Liquid
Solubility in water:	Low
Odor/odor threshold:	No data available
Specific gravity:	No data available
pH:	No data available
Boiling point:	No data available
Melting point:	No data available
Flash point:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Upper/lower flammability or explosive limits:	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available

<i>Decomposition temperature:</i>	No data available
<i>Viscosity:</i>	No data available
<i>Explosive properties:</i>	No data available
<i>Oxidizing properties:</i>	No data available

## **10. Stability and Reactivity**

<i>Reactivity:</i>	No data available
<i>Chemical stability:</i>	Stable under recommended storage conditions
<i>Possibility of hazardous reactions:</i>	No data available
<i>Conditions to avoid:</i>	No data available
<i>Incompatible materials:</i>	No data available
<i>Hazardous decomposition products:</i>	No data available

## **11. Toxicological Information**

<i>Acute toxicity:</i>	No data available
<i>Skin corrosion/irritation:</i>	No data available (may cause skin irritation in susceptible persons)
<i>Serious eye damage/irritation:</i>	No data available (may cause eye irritation in susceptible persons)
<i>Respiratory or skin sensitization:</i>	No data available (may be harmful by inhalation)
<i>Germ cell mutagenicity:</i>	No data available (potentially harmful)
<i>Carcinogenicity:</i>	Not listed by NTP, IARC or OSHA.
<i>Reproductive toxicity:</i>	No data available
<i>Specific target organ toxicity:</i>	No data available
<i>Aspiration hazard:</i>	No data available
<i>RTECS:</i>	No data available

## **12. Ecological Information**

<i>Ecotoxicity:</i>	No data available
<i>Persistence and degradability:</i>	No data available
<i>Bioaccumulative potential:</i>	No data available
<i>Mobility in soil:</i>	No data available
<i>Results of PBT and vPvB assessment:</i>	No data available

## **13. Disposal Considerations**

Do not allow product to reach ground water, water course, or sewage system. Consult local, state or national regulations for proper disposal.

## **14. Transport Information**

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.

*IATA:* Proper shipping name Toxic solid, organic, n.o.s. (phalloidin)  
Hazard class 6.1  
Subsidiary Class none  
Packing group II  
UN-No UN2811

**15. Regulatory Information**

<i>US Toxic Substances Control Act (TSCA):</i>	Not listed
<i>SARA 302 components:</i>	Not listed
<i>SARA 313 components:</i>	Not listed
<i>SARA 311/312 hazards:</i>	Not listed
<i>EEC risk statements:</i>	Not listed
<i>Massachusetts-RTK</i>	Not listed
<i>New Jersey-RTK</i>	Not listed
<i>Pennsylvania-RTK</i>	Not listed
<i>California Proposition 65</i>	Not listed

**16. Other 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 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.**