



# **γH2AX ALEXA FLUOR® 647 ANTIBODY**

## **Safety Data Sheet**

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 11/06/2015

### **SECTION 1: Identification**

#### **1.1. Identification**

Product form : Mixture  
Trade name : γH2AX ALEXA FLUOR® 647 ANTIBODY  
Other means of identification : N/A

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

Use of the substance/mixture : Product Use: This product is for laboratory research use only and is not intended for human or animal diagnostics, therapeutic, or other clinical uses.

NOTE: This product is supplied in a kit with more than one material; therefore please refer to the SDS for each component for hazard information.

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

Litron Laboratories  
3500 Winton Place  
Rochester, NY 14623  
Phone: 585-442-0930 / 877-4-LITRON

#### **1.4. Emergency telephone number**

Emergency number : 585-442-0930

### **SECTION 2: Hazard(s) identification**

#### **2.1. Classification of the substance or mixture**

##### **GHS-US classification**

Not classified

#### **2.2. Label elements**

##### **GHS-US labelling**

No labelling applicable

#### **2.3. Other hazards**

other hazards which do not result in classification : May cause slight irritation.

#### **2.4. Unknown acute toxicity (GHS US)**

Not applicable

### **SECTION 3: Composition/information on ingredients**

#### **3.1. Substance**

This product may contain sodium azide at a concentration less than 1%. Ingredients at less than 1% are not considered hazardous according to 29 CFR 1910.1200(d).

#### **3.2. Mixture**

Name	Product identifier	%	GHS-US classification
Sodium azide	(CAS No) 26628-22-8	< 1 %	Acute Tox. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H300 + H310, H410

Full text of H-statements: see section 16

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect or irritation develops.

First-aid measures after skin contact : Wash off immediately with soap and plenty of water. If irritation persists, consult a doctor.

First-aid measures after eye contact : Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

First-aid measures after ingestion : Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention.

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

Symptoms/injuries after inhalation : Inhalation of mist or aerosol may cause irritation to nose and throat.

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Symptoms/injuries after skin contact	: May cause slight temporary irritation.
Symptoms/injuries after eye contact	: May cause slight irritation to eyes.
Symptoms/injuries after ingestion	: May cause gastric irritation.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use water jet.

### **5.2. Special hazards arising from the substance or mixture**

Fire hazard	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Nitrogen oxides (NOx).
Explosion hazard	: No direct explosion hazard.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.

### **5.3. Advice for firefighters**

Protective equipment for firefighters	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## **SECTION 6: Accidental release measures**

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

General measures	: Limit access only to the necessary cleaning personnel. Avoid any direct contact with the product.
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#### **6.1.1. For non-emergency personnel**

Protective equipment	: Wear suitable protective clothing. Refer to section 8.
Emergency procedures	: Ventilate spillage area.

#### **6.1.2. For emergency responders**

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### **6.2. Environmental precautions**

Avoid release to the environment.

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

For containment	: Stop leak if safe to do so. Contain and/or absorb spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container.
Methods for cleaning up	: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect all waste in suitable and labelled containers and dispose according to local legislation.

### **6.4. Reference to other sections**

For further information refer to section 8: Exposure-controls/personal protection. For disposal of residues refer to section 13: Disposal considerations".

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

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

Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed.
Incompatible materials	: None known.
Storage temperature	: 2 - 8 °C

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

No additional information available

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### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Materials for protective clothing	: Lab coat.
Hand protection	: Protective gloves made of rubber or PVC.
Eye protection	: Safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Environmental exposure controls	: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: green
Odor	: Odorless.
Odor threshold	: No data available
pH	: 7
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Water: Soluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization does not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Oxidizing agents.

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### **10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

## **SECTION 11: Toxicological information**

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

Likely routes of exposure	: Skin and eye contact; Ingestion; Inhalation
Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Symptoms/injuries after inhalation	: Inhalation of mist or aerosol may cause irritation to nose and throat.
Symptoms/injuries after skin contact	: May cause slight temporary irritation.
Symptoms/injuries after eye contact	: May cause slight irritation to eyes.
Symptoms/injuries after ingestion	: May cause gastric irritation.
Additional information	: Liver – Irregularities – Based on Human Evidence (Sodium azide)

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecology - general	: This material has not been tested for environmental effects.
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### **12.2. Persistence and degradability**

No additional information available

### **12.3. Bioaccumulative potential**

No additional information available

### **12.4. Mobility in soil**

No additional information available

### **12.5. Other adverse effects**

Effect on the global warming	: No additional information available
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## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

#### TDG

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

No additional information available

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### National regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16: Other information

Full text of H-statements:

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
H300 + H310	Fatal if swallowed or in contact with skin
H410	Very toxic to aquatic life with long lasting effects

Date of issue: 11/06/2015

SDS US (GHS HazCom 2012)

*The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all-inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Litron Laboratories cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.*