

Product name Alexa Fluor® 647 Phalloidin**Revision Date:** 2024-12-18**Issuing Date:** 2023-10-16**(M)SDS Number** 8940**Version** 2

1. Identification

Product identifier

Product name Alexa Fluor® 647 Phalloidin

Other means of identification

(M)SDS Number 8940

Contains

Chemical name	English chemical name	CAS No
Alexa Fluor® 647 Phalloidin	Alexa Fluor® 647 Phalloidin	NOT LISTED

UN number UN2811

Details of the supplier of the safety data sheet

Manufacturer

Cell Signaling Technology, Inc.
3 Trask Lane
Danvers, MA 01923
United States
TEL: +1 978 867 2300
FAX: +1 978 867 2400

Importer

Cell Signaling Technology, Inc.
Building 7
A-SUN Science & Technology Park
399 Shengxia Road
Pudong Shanghai 201210
China
TEL: 4006-473287
FAX: (86) 21-5835-6116

Supplier

No information available

E-mail address support@cellsignal.com

Emergency telephone number

Emergency telephone 400 120 4937

Recommended use of the chemical and restrictions on use

Identified uses For Research Use Only. Not for Use in Diagnostic Procedures.**Restrictions on use** No information available

2. Hazard(s) identification

Emergency Overview

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

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Appearance Powder See section 9

Physical state Solid

Odor See section 9

Classification of the substance or mixture

Acute toxicity - Oral	Category 2
Acute toxicity - dermal	Category 2
Acute toxicity - Inhalation (Dusts/Mists)	Category 2

Label elements



Signal Word

Danger

Hazard Statements

Fatal if inhaled

Fatal if swallowed

Fatal in contact with skin

Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.

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

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

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

Use only outdoors or in a well-ventilated area.

Wash hands thoroughly after handling.

Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF ON SKIN: Wash with plenty of soap and water.

Take off contaminated clothing and wash it before reuse.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Rinse mouth.

Storage

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

Store locked up.

Disposal

Dispose of contents/container to an approved waste disposal plant

Physical and chemical hazards

Not applicable.

Health hazards

Immediate Health Effects: Not applicable.

Chronic effects: Not applicable.

Environmental hazards

Not applicable.

Other hazards which do not result in classification

No information available.

3. Composition/information on ingredients

Chemical name	Weight-%	CAS No
Alexa Fluor® 647 Phalloidin	100	NOT LISTED

4. First-aid measures

Description of necessary first aid measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
Ingestion	Clean mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or poison control center immediately.
Most important symptoms/effects, acute and delayed	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
For emergency responders	No information available.
Note to physicians	Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media	Water spray Carbon dioxide (CO ₂) Foam Dry chemical
Unsuitable Extinguishing Media	No information available
Specific hazards arising from the chemical	No information available.
Special protective actions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing
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vapors or mists. Use personal protective equipment.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Try to prevent the material from entering drains or water courses.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

Precautions to prevent secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. See Section 8 for information on appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials

None known based on information supplied.

8. Exposure controls/personal protection

Occupational exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits

No data available

Monitoring and observation processes

No applicable information was found.

Engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly fitting safety goggles.

Skin and body protection

Wear protective gloves/clothing.

Hand protection

Impervious gloves.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Powder
Color	No information available
Physical state	Solid
Odor	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	no data available	None known
Melting point/freezing point	no data available	None known
Boiling point or initial boiling point and boiling range	no data available	None known
Flash point	no data available	None known
Evaporation rate	no data available	None known
Flammability	no data available	None known
Flammability Limits in Air		None known
Upper explosion limit	no data available	
Lower explosion limit	no data available	
Vapor pressure	no data available	None known
Relative vapor density	No data available	None known
Relative density	no data available	None known
Solubility	no data available	None known
Solubility in other solvents	no data available	None known
Partition coefficient: n-octanol/water	no data available	None known
Autoignition temperature	no data available	None known
Decomposition temperature	no data available	None known
Viscosity	no data available	None known
Viscosity, dynamic	no data available	None known

Additional information

Explosive properties	No information available
Oxidizing properties	No information available

10. Stability and reactivity

<u>Stability</u>	Stable under normal conditions.
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<u>Possibility of hazardous reactions</u>	None under normal processing.
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<u>Conditions to Avoid</u>	No information available
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<u>Incompatible products</u>	No information available
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<u>Hazardous Decomposition Products</u>	None known based on information supplied
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11. Toxicological information

Acute Toxicity

Numerical measures of toxicity

No information available

Skin corrosion/irritation	No information available
Serious eye damage/eye irritation	No information available
Respiratory or skin sensitization	No information available
Mutagenic effects	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available.
Specific target organ toxicity (single exposure)	No information available
Specific target organ toxicity (repeated exposure)	No information available
Aspiration hazard	No information available

12. Ecological information

<u>Ecotoxicity</u>	The environmental impact of this product has not been fully investigated.
<u>Persistence and degradability</u>	No information available.
<u>Bioaccumulative potential</u>	No information available.
<u>Mobility in soil</u>	No information available.

13. Disposal considerations

<u>Waste chemicals</u>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not empty into drains; dispose of this material and its container in a safe way.
<u>Contaminated packaging</u>	Do not reuse empty containers.

14. Transport information

IMDG/IMO

UN number	UN2811
UN proper shipping name	Toxic solid, organic, n.o.s. (phalloidin)
Transport hazard class(es)	6.1
Packing group	II

IATA

UN number	UN2811
UN proper shipping name	Toxic solid, organic, n.o.s. (phalloidin)
Transport hazard class(es)	6.1
Packing group	II

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China

UN number	UN2811
UN proper shipping name	Toxic solid, organic, n.o.s. (phalloidin)
Transport hazard class(es)	6.1
Packing group	II

Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Catalog of occupational hazard factors:	Not applicable
Catalog of occupational diseases:	Not applicable

Regulations on the Control over Safety of Hazardous Chemicals

Inventory of hazardous chemicals	Not applicable
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GB 18218-2009 Identification of major hazard installations for dangerous chemicals	Not applicable
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List of hazardous chemicals under priority management	Not applicable
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Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used

Inventory of highly toxic goods	Not applicable
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Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

List of toxic chemicals severely restricted for import and export in China	Not applicable
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Measures for the Environmental Management of New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances	Contact supplier for inventory compliance status.
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International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer	Not applicable
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The Stockholm Convention on Persistent Organic Pollutants	Not applicable
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The Rotterdam Convention	Not applicable
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16. Other information

Issuing Date:	2023-10-16
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Revision Date:	2024-12-18
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Revision Note	The symbol (*) in the margin of this SDS indicates that this line has been revised.
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Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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TWA: Time weighted average
Ceiling: Maximum limit value:
C Carcinogen

STEL:
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Short term exposure limit
Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

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End of Safety Data Sheet