

Safety Data Sheet (SDS)

This safety data sheet was created pursuant to the requirements of: GB/T 16483-2008, GB/T 17519-2013

Product name Phospho-(Ser/Thr) Akt Substrate Antibody **(M)SDS Number** 9611

Version 1

Issuing Date: 2023-11-20

1. Identification

Product identifier

Product name Phospho-(Ser/Thr) Akt Substrate Antibody

Other means of identification

(M)SDS Number 9611

Contains

Chemical name	English chemical name	CAS No
glycerol	Glycerol	56-81-5

Details of the supplier of the safety data sheet

<u>Manufacturer</u> <u>Importer</u> <u>Supplier</u>

Cell Signaling Technology, Inc.

Cell Signaling Technology, Inc.

No information available

3 Trask Lane Building 7

Danvers, MA 01923 A-SUN Science & Technology Park

United States 399 Shengxia Road
TEL: +1 978 867 2300 Pudong Shanghai 201210

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TEL: 4006-473287

FAX: (86) 21-5835-6116

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

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Appearance Clear / Colorless Physical state Liquid Odor No information available

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Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Signal Word

None

Hazard Statements

None

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

Not applicable.

3. Composition/information on ingredients

Chemical nature Mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

	Chemical name	Weight-%	CAS No
[glycerol	30-60	56-81-5

4. First-aid measures

Description of necessary first aid measures

InhalationRemove to fresh air.InhalationMove to fresh air.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids.

Skin contact Wash skin with soap and water.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms/effects,

acute and delayed

No information available.

For emergency responders No information available.

Note to physicians Treat symptomatically.

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5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

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 Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal

protection see section 8.

Use personal protection recommended in Section 8. For emergency responders

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for

containment and cleaning up

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material.

Pick up and transfer to properly labeled containers.

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 Incompatible materials

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

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.

Note See section 16 for terms and abbreviations

Biological occupational exposure limits

No data available

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Monitoring and observation processes

No applicable information was found.

Engineering controls Showers

Eyewash stations Ventilation systems

Individual protection measures, such as personal protective equipment

Tight sealing safety goggles. Eye/face protection

Skin and body protection Wear suitable protective clothing.

Impervious gloves. Hand protection

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate

certified respirators.

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 Clear Colorless Color **Physical state** Liquid

No information available No information available **Odor Threshold**

<u>Property</u>	<u>Values</u>	Remarks • Method
-11	7.5	@ 20 °C
pH	7.5	@ 20 °C
Melting point/freezing point	no data available	None known
Boiling point or initial boiling point	no data available	None known
and boiling range		
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 flammability limit	no data available	
Lower flammability 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/wate	r 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

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Additional information

Explosive properties

No information available

No information available

10. Stability and reactivity

<u>Stability</u> Stable under normal conditions.

<u>Possibility of hazardous reactions</u> None under normal processing.

<u>Conditions to Avoid</u> Extremes of temperature and direct sunlight.

<u>Incompatible products</u> No information available.

<u>Hazardous Decomposition Products</u> None known based on information supplied.

11. Toxicological information

Acute Toxicity

Numerical measures of toxicity

No information available

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m³ (Rat) 1 h

Skin corrosion/irritationNo 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 toxicityNo information available.

Specific target organ toxicity (single No information available

exposure)

Specific target organ toxicity

(repeated exposure)

No information available

Aspiration hazard No information available.

12. Ecological information

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
glycerol	-	LC50 51 - 57 mL/L	EC50 500 mg/L (Daphnia

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(Oncorhynchus mykiss) 96 h magna) 24 h

<u>Persistence and degradability</u> No information available.

Bioaccumulative potential

Chemical name	Octanol-Water Partition Coefficient
glycerol	-1.76

Mobility in soil No information available.

13. Disposal considerations

Waste chemicals Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

<u>Contaminated packaging</u> Do not reuse empty containers.

14. Transport information

IMDG/IMO Not regulated

<u>IATA</u> Not regulated

<u>China</u> Not regulated

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:

Catalog of occupational diseases:

Not applicable.

Not applicable.

Regulations on the Control over Safety of Hazardous Chemicals

Inventory of hazardous chemicals Not applicable.

GB 18218-2009 Identification of major hazard installations for dangerous chemicals

Not applicable

List of hazardous chemicals under priority management Not applicable

Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used

Inventory of highly toxic goods Not applicable

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 SubstancesContact supplier for inventory compliance status.

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

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The symbol (*) in the margin of this SDS indicates that this line has been revised. **Revision Note**

Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA: Time weighted average Short term exposure limit STEL:

Ceiling: Maximum limit value: Skin designation

С Carcinogen

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

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