

Issuing Date: 2023-11-07

Version: 1

1. Identification**Product name** Phospho-Pyk2 (Tyr402) Antibody**Product No** 3291**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 Japan, K.K.
10F Kasahara Building
1-6-10 Uchikanda
Chiyoda-ku, Tokyo, 101-0047 Japan
Telephone: 03 (3295) 1630**E-mail address** regulationjp@cellsignal.com**Recommended use of the chemical and restrictions on use****Identified uses** For research use only**2. Hazard(s) identification****GHS - Classification**

Not hazardous

Label elements**Signal Word**

None

Hazard Statements

Not hazardous

Other hazards

Not applicable

3. Composition/information on ingredients**Chemical nature** Mixture

Chemical name	Weight-%	ENCS Number	ISHL No.	CAS No
glycerol	30-60	-	-	56-81-5

4. First-aid measures**If inhaled** Move to fresh air.**In case of skin contact** Wash skin with soap and water.**In case of eye contact** Rinse thoroughly with plenty of water, also under the eyelids.

If swallowed Clean mouth with water and afterwards drink plenty of water.

Most important symptoms and effects, both acute and delayed No information available.

Note to physicians Treat symptomatically.

5. Fire-fighting measures

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 Extinguishing Media Cool drums with water spray

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

6. Accidental release measures

For non-emergency personnel Avoid contact with skin, eyes and clothing. Use personal protective equipment. For personal protection see section 8.

Emergency Measures Use personal protection recommended in Section 8.

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 for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

Storage

Technical measures/Storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Engineering controls Showers
Eyewash stations
Ventilation systems

Exposure guidelines 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 Not applicable

Environmental exposure controls No information available

Personal Protective Equipment

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

Hand protection Impervious gloves

Eye/face protection Safety glasses with side-shields

Skin and body protection Wear suitable protective clothing

9. Physical and chemical properties

Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>
Appearance	
Physical state	Liquid
Color	Colorless
Odor	No information available
Melting point/freezing point	No information available
Boiling point or initial boiling point and boiling range	No information available
Flammability	No information available
Upper/lower flammability or explosive limits	
Lower	No information available
Upper	No information available
Flash point	No information available
Autoignition temperature	
Decomposition temperature	No information available
pH	7.5 @ 20 °C
Viscosity	No information available
Solubility	
Relative vapor density	No information available

Other information

Explosive properties No information available

Oxidizing properties No information available

10. Stability and reactivity

Reactivity No information available

Stability Stable under normal conditions

Possibility of hazardous reactions None under normal processing

Conditions to Avoid Extremes of temperature and direct sunlight

Incompatible products None known based on information supplied

Hazardous Decomposition Products None known based on information supplied.

11. Toxicological information

Acute Toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h

Symptoms No information available.

Product Information

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation Avoid breathing vapors or mists.

Skin contact Avoid contact with skin.

Eye contact Avoid contact with eyes.

Skin corrosion/irritation No information available

Serious eye damage/eye irritation No information available

Respiratory or skin sensitization No information available

Germ cell mutagenicity No information available

Carcinogenicity No information available

Specific target organ systemic toxicity (single exposure) No information available.

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 (Oncorhynchus mykiss) 96 h	EC50 500 mg/L (Daphnia magna) 24 h

Persistence and degradability No information available

Bioaccumulation

Chemical name	Octanol-Water Partition Coefficient
glycerol 56-81-5	-1.76

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

13. Disposal considerations

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

IMDG/IMO Not regulated

ADR/RID Not regulated

IATA Not regulated

Japan Not regulated

15. Regulatory information

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

National regulations This product does not contain substances controlled by applicable regulations.

16. Other information

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

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA:	Time weighted average	Ceiling:	Maximum limit value:
*	Skin designation	+	Sensitizers

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 Chemicals Agency
 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

This SDS complies with the requirements of JIS Z 7252:2019 and JIS Z 7253:2019 (Japan). The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet