

1. PRODUCT AND COMPANY IDENTIFICATION
Product Name

Monoclonal Antibodies in buffered aqueous solution with 50% glycerol

Product Numbers: **9579, 12960**
Identified Uses For Research Use Only (RUO). Not intended for use in humans or animals. Not intended for therapeutic or diagnostic procedures.

Substance/Mixture: Mixture

Manufacturer/Supplier Cell Signaling Technology, Inc.
 3 Trask Lane
 Danvers, MA 01923 USA

Fax #: (978) 867-2400

Phone #: (978) 578-6737

2. HAZARDS IDENTIFICATION
Classification of the substance or mixture

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Not a dangerous mixture according to GHS.

Not a hazardous mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous mixture according to EC-Directives 67/548/EEC or 1999/45/EC

Label elements

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3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous Ingredients

Chemical Name	CAS No.	EC No.	Concentration	Classification (67/548)	Classification (Reg.1272/2008)
Sodium azide	26628-22-8	231-598-3	0.02%	T+; R28 R32 N; R50 R53	Acute Tox. 2

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water.
Skin Contact Rinse immediately with soap and plenty of water.
Inhalation Move to fresh air.
Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE FIGHTING MEASURES

Flash Point See Section 9. Physical and Chemical Properties
Suitable Extinguishing Media Use water spray, alcohol resistant foam, dry chemical or carbon dioxide
Special exposure hazards No data available
Special protection for fire fighters Wear self-contained breathing apparatus and protective unit
Other information No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Do not touch or walk through spilled material. Wear personal protective equipment
Environmental precautions Do not let product enter drains.
Clean up methods Soak up with absorbent material. Keep in suitable closed containers for disposal.
Other information See sections 12 and 13 for additional information.

7. HANDLING AND STORAGE

Safe handling advice Avoid contact with eyes and skin. Ensure adequate ventilation.
Storage conditions Keep container tightly closed. Recommended storage temperature -20C.
Incompatibilities No data available
Specific end uses No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits Ingredients with workplace control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Sodium azide 26628-22-8	TWA 0.1 mg/m ³ STEL 0.3 mg/m ³ S*	STEL 0.3 mg/m ³ TWA 0.1 mg/m ³ Skin	VME 0.1 mg/m ³ VLCT 0.3 mg/m ³ P*	S*	AGW 0.2 mg/m ³
Glycerol 56-81-5	-	STEL 30 mg/m ³ TWA 10 mg/m ³	VME 10 mg/m ³	-	-

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Sodium azide 26628-22-8	TWA 0.1 mg/m ³ STEL 0.3 mg/m ³ Pelle*	Ceiling 0.29 mg/m ³ Ceiling 0.11 ppm C(A4)	Huid* STEL 10mg/m ³ TWA 0.1 mg/m ³	TWA 0.1 mg/m ³ STEL 0.3 mg/m ³ iho*	TWA 0.1 mg/m ³ H*
Glycerol 56-81-5	-	TWA 10 mg/m ³	-	TWA 10 mg/m ³	-

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Sodium azide 26628-22-8	H* STEL 0.3 mg/m ³ MAK 0.1 mg/m ³ Skin	MAK 0.2 mg/m ³ STEL 0.4 mg/m ³	NDS 0.1 mg/m ³ NDsch 0.3 mg/m ³	Ceiling 0.3 mg/m ³	TWA 0.1 mg/m ³ STEL 0.3 mg/m ³ Skin
Glycerol 56-81-5	-	SS-C** MAK 50 mg/m ³ STEL 100 mg/m ³	NDS 10 mg/m ³	-	

Legend:

+: Sensitizers	* : Skin designation
** : Hazard Designation	C: Carcinogen
M : Mutagen	R: Toxic to reproduction

Exposure Controls

Apply technical measures to comply with the occupational exposure limits.

Engineering Controls

Emergency eyewash and safety shower. Mechanical exhaust required.

Hygiene Measures

Do not eat, drink or smoke when handling product. Wash hands thoroughly after handling product. Wash contaminated clothing before reuse.

Personal Protective Equipment

Respiratory Protection:	None under normal use
Eye Protection:	Safety glasses with side shields
Skin and body protection:	Wear suitable protective clothing, protective shoes or boots.
Hand protection:	Compatible chemical resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	liquid
Appearance	clear
Odor	no data available
pH	7.4
Water Solubility	Soluble
Melting point/freezing point	no data available
Boiling point	no data available
Evaporation rate	no data available
Flash point	no data available
Autoignition temperature	no data available
Flammability limits in air	no data available
Explosive properties	no data available
VOC content	no data available
Decomposition temperature	no data available

10. STABILITY AND REACTIVITY

Stability

stable under normal conditions

Conditions to avoid no data available
Hazardous decomposition products no data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

None known based on the information supplied.

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

Routes of Exposure

Skin Contact	May cause skin irritation.
Skin absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.
Inhalation	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion	May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility	No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of in accordance with all applicable environmental laws and regulations.
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14. TRANSPORT INFORMATION

RID/ADR	Non-hazardous for road transport
IMDG	Non-hazardous for sea transport
IATA	Non-hazardous for air transport

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

GHS Classification

Not a dangerous substance according to GHS.

U.S. Federal Regulations

SARA 302

No chemicals in this material are subject to reporting requirements established by SARA Title III, Section 302

SARA 311/312

No SARA hazards

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals that exceed the reporting levels of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act Amendments of 1990.

U.S. State Regulations

Massachusetts Right-to-Know Components: -
New Jersey Right-to-Know Components: -
Pennsylvania Right-to-Know Components: -

California Proposition 65

This product does not contain chemicals known to the State of California to cause birth defects or other reproductive harm.

WHMIS Hazard Class

Not controlled.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. OTHER INFORMATION

Revision date 2013-08-21

Disclaimer

The information provided on this material safety data sheet is to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet