

Material Safety Data Sheet (MSDS) for PathScan® Sandwich ELISA Lysis buffer (1X)



Cell Signaling
TECHNOLOGY®

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I. Identification:

Product name: PathScan® Sandwich ELISA Lysis buffer (1X)

Product Catalog: 7018

CAS#: n/a (not applicable to mixtures)

Manufacturer Supplier: Cell Signaling Technology
3 Trask Lane
Danvers, MA 01923 USA
978-867-2300 TEL
978-867-2400 FAX
978-578-6737 EMERGENCY TEL

II. Composition/Information:

According to 29 CFR 1910.1200(d), mixtures with hazardous ingredients at less than <1% and carcinogens at less than < 0.1% are considered non-hazardous.

Ingredient	Percent (%w/v)	CAS#	Hazardous
Triton X100 (polyethylene glycol octylphenyl ether)	1%	9002-93-1	Yes
Sodium pyrophosphate	0.89%	13472-36-1	No
Sodium chloride	0.88%	7647-14-5	No
Tris-HCl	0.32%	1185-53-1	No
Sodium fluoride	<0.11%	7681-49-4	No
EGTA	<0.04%	64-42-5	No
EDTA, disodium salt	<0.04%	6381-92-6	No
Beta-glycerophosphate	0.03%	819-83-0	No
Sodium orthovanadate	<0.02%	13721-39-6	No
Leupeptin	<0.01%	103476-89-7	No
Water	>96%	7732-18-5	No

III. Hazard Identification: This product is not for use in humans. It is intended for research purposes only. EMERGENCY OVERVIEW:

Triton X100 (CAS# 9002-93-1) OSHA hazards: Harmful by ingestion. Irritant.

Potential Health Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: May cause eye irritation.

Ingestion: Harmful if swallowed.

IV. First Aid Measures:

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If person is conscious, wash out mouth with water. Do not induce vomiting. Get medical attention.

Skin exposure: In case of contact, immediately wash skin with soap and water for at least 15 minutes. Remove contaminated clothing. Wash clothing before reuse.

Eye exposure: In case of contact with eyes, immediately flush eyes with water for at least 15 minutes. Get medical attention.

V. Fire Fighting Measures:

Flash Point: No data available.

Autoignition Temperature: No data available.

Explosion: No data available.

Fire extinguishing media: Water spray, dry chemical, foam, or carbon dioxide.

Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures: Wear appropriate personal protective equipment as indicated in Section VIII. Absorb liquid with an absorbent material. Transfer contaminated absorbent to a closed chemical waste container for disposal. Wash spill site after material has been picked up for disposal.

VII. Handling And Storage:

Store at 4°C in tightly closed container. Avoid inhalation of vapor or mist. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid prolonged or repeated exposure.

VIII. Exposure Controls/Personal:

Ventilation System: A system of local and/or general exhaust is recommended.

Skin Protection: Wear compatible chemical resistant gloves and protective clothing.

Eye protection: Wear protective safety glasses or chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

IX. Physical And Chemical Properties

Appearance:	clear liquid
Odor	data not available
pH:	7.5
Melting Point:	data not available
Boiling Point:	data not available
Flash Point	data not available
Freezing Point:	data not available
Volatile Organic Compounds:	data not available
Autoignition temp.	data not available
Solubility in water:	soluble in phosphate buffered saline

X. Stability and Reactivity:

Stability: Stable under normal conditions.

Conditions/materials to avoid: strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition: carbon monoxide, carbon dioxide.

Hazardous polymerization: data not available.

XI. Toxicological Information:

Acute Toxicity: data not available

Chronic exposure: data not available

Potential Health Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: Harmful if swallowed.

Exposure Remarks on Hazardous Ingredient Triton X100 (CAS# 99036-19-5)

LD50 mouse intravenous: 1200 mg/kg

LD50 rat oral 1800 - 3800 mg/kg

XII. Ecological Information: Data not available.

XIII. Disposal Considerations: Dispose of in accordance with federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

XIV. Transport Information:

DOT: Proper Shipping Name: None. This substance is considered Non-Hazardous for transport.

IATA: Proper Shipping Name: None. This substance is considered Non-Hazardous for air transport.

XV. Regulatory Information:

Hazardous Ingredient Triton X100 (CAS# 9002-93-1)

OSHA: Harmful by ingestion, Irritant.

DSL: Listed

SARA 302, 313 Not Listed.

SARA 311/312: Acute Health Hazard

Massachusetts Right To Know: Not Listed, Pennsylvania Right To Know: Listed, New Jersey Right To Know: Listed, California Prop. 65: Not Listed

XVI. Other Information:

This product is not intended for use in humans. To the best of our knowledge, this document is accurate. It is intended to serve as a guide for safe use of this product in a laboratory setting by experienced personnel. The burden of safe use of this material rests entirely with the user. The above information is believed to be accurate but is not necessarily all-inclusive and shall be used only as a guide. Cell Signaling Technology, Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product.