

Material Safety Data Sheet (MSDS) for Proteinase K Solution

New 03/08

I. IDENTIFICATION:

Product name: Proteinase K Solution
Product Catalog Number: Component of kit #9002 and #9003
CAS number: None
Manufacturer Supplier: Cell Signaling Technology®
3 Trask Lane
Danvers, MA 01923 USA
1-978-867-2300 TEL
1-978-867-2400 FAX
1-978-578-6737 Emergency Phone

II. COMPOSITION/INFORMATION ON INGREDIENTS:

According to 29 CFR 1910.1200(d), hazardous ingredients at less than <1% and carcinogens at less than <0.1% therefore considered non-hazardous. Any hazardous or carcinogenic ingredients meeting these criteria are listed below.

Ingredient	CAS#	Percent
Glycerol	56-81-5	50%

III. HAZARD IDENTIFICATION:

Emergency Overview of Hazardous ingredient: Glycerol (CAS# 56-81-5)
Irritant. Irritating to eyes, respiratory system, skin.

Caution: Avoid contact and inhalation.

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

Target organ: Kidneys.

IV. FIRST AID MEASURES:

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.
Ingestion: If person is conscious, wash out mouth with water. Get medical attention.
Skin Exposure: Wash skin with soap and water. If irritation develops or persists, get medical attention.
Eye Exposure: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

V. FIRE FIGHTING MEASURES:

Flash Point: Data not available.
Autoignition Temperature: Data not available.
Fire Extinguishing Media: Water spray, dry chemical, alcohol 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:

Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure. Store at -20°C in tightly closed container.

VIII. EXPOSURE CONTROLS/PERSONAL

Ventilation System: A system of local and general exhaust is recommended.
Skin Protection: Wear compatible chemical resistant gloves and protective clothing.
Eye protection: Wear chemical safety goggles. Maintain emergency eyewash and shower in work area.

IX. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Physical State: Liquid
Appearance: Colorless
Odor: Odorless
pH: 7.5 at 25°C
Boiling Point: Data not available
Melting Point: Data not available
Volatile Organic Compounds (VOC): Data not available
Solubility in water: Readily miscible in water

X. STABILITY AND REACTIVITY:

Stability: Stable.
Conditions to avoid: Strong oxidizing agents.
Hazardous Decomposition: May form carbon dioxide and carbon monoxide.

XI. TOXICOLOGICAL INFORMATION:

May cause skin irritation.
May be toxic if absorbed through skin or ingested.
May cause eye irritation.

Target organs: Kidneys

Prolonged exposure may cause nausea, headache, and vomiting.

XII. ECOLOGICAL INFORMATION:

Data not available.

XIII. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with federal, state and local environmental regulations.

XIV. TRANSPORT INFORMATION:

D.O.T.

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:

EU Regulations/Classifications: Data not available.

US Regulations/Classifications: Irritant. Irritating to eyes, respiratory system, skin.

Caution: Avoid contact and inhalation.

Target organ(s): Kidneys.

In case of contact with eyes, wash thoroughly and seek medical attention

SARA Listed: No.

Canada (WHMIS): DSL: No, NDSL: No.

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.