

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - KIT(S) AND SUPPLIER IDENTIFICATION

SUPPLIER: UBPBio, LLC  
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Aurora, CO 80112, USA  
FAX: +1-800-682-6801  
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Quick Identifier: Kit(s)

Common Name	Catalog No.
Ubiquitin E2 Screening Kit	J1100
Customized E2 Screening Kit	J1200
Ubiquitin/SUMO/Nedd8 E2 Screening lit	J1300
Di-ubiquitin Explorer Kit	J2000
K48 PolyUb China-binding Protein Identification/Validation Kit	J2100
K63 polyUb Chain-binding Protein Identification / Validation Kit	J2200
Linear polyUb Chain-binding Protein Identification / Validation Kit	J2300
Sumo1 Conjugation Kit	J3110
Sumo2 Conjugation Kit	J3120
Sumo3 Conjugation Kit	J3130
Sumo1, Sumo2, Sumo 3 Conjugation Kit	J3140
Nedd8 Conjugation Kit	J3150
Ubiquitin Linkage Screening Kit I	J3200
Ubiquitin Linkage Screening Kit II	J3210
Ubiquitin Linkage Screening Kit III	J3220
Proteasome Activity Fluorometric Assay Kit I	J4110
Proteasome Activity Fluorometric Assay Kit II	J4120
Immunoproteasome Activity Fluorometric Assay Kit I	J4160
Immunoproteasome Activity Fluorometric Assay Kit II	J4170
Rapid 26S Proteasome Purification Kit-S	J4310
Rapid 26S Proteasome Purification Kit-L	J4320
26S Proteasome-mediated Protein Degradation Kit	J4330
PolySUMO Capture & Release Kit	J4410
Unconjugated (Free) Polyubiquitin Chain Capture Kit	J4420
K48 Polyubiquitin Chain Capture Kit	J4430
K63 Polyubiquitin Chain Capture Kit	J4440
Linear Polyubiquitin Chain Capture Kit	J4450
Polyubiquitin Chain Capture Kit	J4460
K29/K33 Polyubiquitin Chain Capture Kit	J4470
Misfolded Protein Ubiquitination Kit	J5110
Loading Control Antibody Kit	J5200
Deubiquitinating Enzyme Set I	J6010
Deubiquitinating Enzyme Inhibitor Profiling Kit I	J6110
Deubiquitinating Enzyme (DUB) Identification Kit	J6210
Caspase-8,10 Activity Fluorometric Assay Kit	J7110
Caspase-9 Activity Fluorometric Assay Kit	J7120
Caspase-3,7 Activity Fluorometric Assay Kit	J7130
3CL Protease Activity Assay Kit I	J7510
3CL Protease Activity Assay Kit II	J7511
PLPro Proteinase Activity Assay Kit I	J7610





Ubiquitin-Proteasome Biotechnologies

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PLPro Proteinase Activity Assay Kit II

J7611

PLpro Deubiquitinase Activity Assay Kit I

J7650

PLPro Deubiquitinase Activity Assay Kit II

J7651

## SECTION 2: PRODUCT INFORMATION

Product Name: Refer to Section 1

Catalog No.: Refer to Section 1

Source: Refer to Section 1

## SECTION 3: COMPOSITION/HAZARDOUS COMPONENTS

HAZARD	CAS NO.	%WT
Glycerol	56-81-5	~ 10%

Only items that have more than 1% of a component classified as hazardous and 0.1% of a component classified as

## SECTION 4: HAZARDOUS IDENTIFICATION

Emergency Overview:

May cause irritation to skin, eyes, and respiratory tract, may affect kidneys.

HMIS and NFPA Ratings: 0 – Minimal or None, 1 – Slight, 2 – Moderate, 3 – Serious, and 4 – Severe

Health: 2

Flammability: 0

Reactivity: 1

## SECTION 5: FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Seek medical advice if irritation persists.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

INHALATION: Remove the victim from exposure and move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Seek immediate medical attention.

## SECTION 6: FIRE FIGHTING MEASURES

Use media suitable to extinguish the supporting or surrounding fire. Wear NIOSH (or equivalent) approved self contained breathing apparatus. For small fires only: use carbon dioxide, dry powder or foam. May be combustible at high temperature. Emits toxic fumes under fire conditions.

Explosion Limits for Glycerol = Lower - 1.1; Upper - Not available.

## SECTION 7: ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing including lab coat, safety glasses, gloves and NIOSH-approved respirator. Eliminate all sources of ignition. Collect in a manner that does not create dust and place in a

## SECTION 8: HANDLING AND STORAGE

Provide appropriate exhaust ventilation. Keep tightly closed in a dry and well ventilated place. Store at -20°C.

## SECTION 9: PERSONAL PROTECTION

Engineering Controls: Safety shower and eye wash. Mechanical exhaust.

Eye Protection: Safety goggles.

Hand Protection: Compatible resistant gloves.

Respiratory Protection: None required.

Hygiene Measure: General practice, wash (hands and skin) thoroughly after handling. Remove and wash contaminated



## SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

For Glycerol:

Boiling Point = 288°C

Melting Point = 20°F

Vapor Pressure = .0025 mm Hg@ 5

Vapor Density = 3.17 (H<sub>2</sub>O = 1)

Evaporation Rate = No data available

Appearance = Clear viscous solution

Solubility = Miscible in water

Decomposition Temp. = 290°C

Specific Gravity = 1.26

Percent Volatile = No data available

Formula = C<sub>3</sub>-H<sub>8</sub>-O<sub>3</sub>

## SECTION 11: STABILITY AND REACTIVITY

Product is stable under normal conditions. Avoid strong oxidizing agents including mixtures with hydrogen peroxide,

## SECTION 12: TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE TO GLYCEROL:

EYES: Contact may cause irritation and slight corneal injury.

SKIN: Prolonged contact may cause irritation and/or allergic reaction.

INHALATION: No known toxicity, but excessive fumes may cause irritation if inhaled.

INGESTION: May cause irritation of gastrointestinal tract and diarrhea.

## SECTION 13: ECOLOGICAL INFORMATION

No information available

## SECTION 14: DISPOSAL CONSIDERATIONS

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

## SECTION 15: TRANSPORT INFORMATION

This product is not dangerous and no special precautions are needed according to DOT, ADR/RID (cross border), IMDG

## SECTION 16: REGULATORY INFORMATION

OSHA Hazards: None known.

US Classification and Label Test

US Statements: Caution. Avoid contact and inhalation. Target Organ (s): Kidneys.

United States Regulatory Information:

Sara Listed: No

TSCA Inventory Item: Yes

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS

DSL: Yes

NDSL: No

EU Additional Classification

S: 23 24/25

Safety Statements: Do not breath vapor. Avoid contact with skin and eyes.

