

## MSDS

Version 2.1  
Revision Date: 07/29/2025

### Product and Company Identification

Product Name: SUMO Protease  
Cat #: SP-100, SP-200, SP-OEM  
Product Use: For Research Use Only. Not for use in diagnostic procedures  
Company: Molecular Cloning Laboratories (MCLAB)  
320 Harbor Way  
South San Francisco, CA 94080  
Telephone: 1-888-MCLAB-88  
1-650-871-8771  
Fax: 1-650-871-8796

### Composition/Information On Ingredients

All components of the products are considered non-hazardous. As yet, the chemical, physical, and toxicological properties of these products have not been thoroughly investigated. These products contain buffers and this MSDS is written to apply to general reagents.

### Hazards Identification

#### Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Form** Liquid

**Eyes** May cause eye irritation with susceptible persons.

**Skin** No information available

**Inhalation** No information available

**Ingestion** No information available

#### Specific effects

**Carcinogenic effects** No information available

**Mutagenic effects** No information available

**Reproductive toxicity** No information available

**Sensitization** No information available

**Target Organ Effects** No information available

#### HMIS

Health	0
Flammability	0
Reactivity	0

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## FIRST AID MEASURES

**Skin contact** Wash off immediately with plenty of water

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

**Ingestion** Never give anything by mouth to an unconscious person

**Inhalation** Move to fresh air

**Notes to physician** Treat symptomatically.

## FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical

**Special protective equipment for firefighters** Wear self-contained breathing apparatus and protective suit

## ACCIDENTAL RELEASE MEASURES

**Personal precautions** Use personal protective equipment

**Methods for cleaning up** Soak up with inert absorbent material.

## HANDLING AND STORAGE

### Handling

No special handling advice required

### Storage

Keep in properly labelled containers

## EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Glycerol	15 mg/m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable fraction	-	10 mg/m <sup>3</sup>	-

#### Engineering measures

Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment

**Hand protection** Protective gloves

**Eye protection** Safety glasses with side-shields

**Skin and body protection** Lightweight protective clothing.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice

#### Environmental exposure

##### controls

Prevent product from entering drains.

## PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Form** Liquid

### Important Health Safety and Environmental Information

**Oxidizing properties** No information available

**Water solubility** No data available

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## STABILITY AND REACTIVITY

### Stability

Stable under normal conditions.

### Materials to avoid

No information available

### Hazardous decomposition products

No information available

### Polymerization

Hazardous polymerisation does not occur.

## TOXICOLOGICAL INFORMATION

### Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Glycerol	12600 mg/kg (Rat)	10 g/kg (Rabbit)	570 mg/m <sup>3</sup> (Rat)

### Principle Routes of Exposure/

### Potential Health effects

**Eyes** May cause eye irritation with susceptible persons.

**Skin** No information available

**Inhalation** No information available

**Ingestion** No information available

### Specific effects

**Carcinogenic effects** No information available

**Mutagenic effects** No information available

**Reproductive toxicity** No information available

**Sensitization** No information available

**Target Organ Effects** No information available

## ECOLOGICAL INFORMATION

**Ecotoxicity effects** No information available.

**Mobility** No information available.

**Biodegradation** Inherently biodegradable.

**Bioaccumulation** Does not bioaccumulate.

## DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## TRANSPORT INFORMATION

### IATA

**Proper shipping name** Not classified as dangerous in the meaning of transport regulations

**Hazard Class** No information available

**Subsidiary Class** No information available

**Packing group** No information available

**UN-No** No information available

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## REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	PICCS	ENCS	DSL	NDSL	AICS
Glycerol	Listed	Listed	Listed	Listed	-	Listed

### U.S. Federal Regulations

#### SARA 313

This product is not regulated by SARA.

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

This product does not contain HAPs.

### U.S. State Regulations

Chemical Name	Massachusetts -RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Glycerol	Listed	-	Listed	-	Listed

### California Proposition 65

This product does not contain chemicals listed under Proposition 65

#### WHMIS hazard class:

D2B Toxic materials

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

## OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material. The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution.

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