

## MSDS

Version 2.2  
Revision Date: 07/29/2025

### Product and Company Identification

Product Name: Recombinant Protein A, Agarose  
Cat #: PPA-502, PPA-503, PPA-504, PPA-505, PPA-506, PPA-507  
Product Use: For Research Use Only. Not for use in diagnostic procedures  
Company: Molecular Cloning Laboratories (MCLAB)  
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### Hazards identification

#### Potential Health Effects:

##### Eye:

May cause irritation of the eye.

##### Skin:

May cause skin irritation.

##### Inhalation:

No toxicity expected from inhalation.

##### Ingestion:

May cause nausea or vomiting.

##### Chronic:

No data on cancer.

### FIRST AID MEASURES

#### Eye:

Flush with water in an eyewash for at least 15 minutes, holding eyelids open. Remove contact lenses, clean before re-use. Obtain medical attention if symptoms develop (redness, itching, etc.).

#### Skin:

Wash with plenty of soap and water. Obtain medical attention if symptoms develop (redness, itching, etc.). Remove contaminated clothes, wash before re-use.

#### Inhalation:

Remove person to fresh air. Obtain medical attention unless effects are mild and temporary.

#### Ingestion:

Give plenty of water, if conscious. If vomiting occurs naturally, wash mouth out. Be prepared to induce vomiting upon a physician's advice. Obtain medical attention if symptoms develop.

#### Note To Physician:

Treat symptomatically.

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## FIRE FIGHTING MEASURES

Flashpoint Deg C: Not available.

Upper Flammable Limit %: Not available.

Lower Flammable Limit %: Not available.

Autoignition Temperature Deg C: Not available.

### **Extinguishing Media:**

Use means appropriate for surrounding materials.

### **Firefighting Techniques/Equipment:**

Standard turnout gear ("bunker gear"). Positive-pressure self-contained breathing apparatus.

### **Hazardous Combustion Products:**

Includes carbon dioxide, carbon monoxide, dense smoke.

## ACCIDENTAL RELEASE MEASURES

Accidental releases may be subject to special reporting requirements and other regulatory mandates. Refer to Section 8 for personal protection equipment recommendations.

### **Spill Cleanup:**

Absorb spill. Common absorbent materials should be effective. Deposit in appropriate containers for removal and disposal.

## HANDLING AND STORAGE

Storage of some materials is regulated by federal, state, and/or local laws.

### **Storage Pressure:**

Ambient

### **Handling Procedures:**

Keep closed or covered when not in use.

### **Storage Procedures:**

Suitable for most general chemical storage areas.

## EXPOSURE CONTROLS, PERSONAL PROTECTION

### **Exposure Limits:**

Component	OSHA PEL (ppm)	AGCIH TWA (ppm)
No hazardous components		

### **Engineering Controls:**

Area ventilation is generally adequate.

### **Personal Protective Equipment:**

#### **Eye:**

Safety glasses should be the minimum eye protection.

#### **Skin:**

Gloves should be used as minimum hand protection.

#### **Respiratory:**

No respiratory protection will be needed under normal industrial operating conditions.

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## PHYSICAL AND CHEMICAL PROPERTIES

Appearance/physical state: L	iquid solution / suspension
Odor:	No odor.
Boiling Point (C):	Not established.
Melting Point (C):	Not established.
Solubility in water:	Not established.
pH:	Not established.
Vapor Pressure:	Not established.
Vapor Density:	Not established.
Specific Gravity/Density:	Not established.
Octanol/water Partition Coeff:	Not established.
Volatiles:	Not established.
Evaporation Rate:	Not established.
Viscosity:	Not established.

## STABILITY AND PEACTIVITY

### **Stability:**

Stable under ordinary conditions of use and storage.

### **Conditions to Avoid:**

Strong oxidizers.

Hazardous Decomposition Products:

## STABILITY AND PEACTIVITY (CONT.)

None known.

### **Hazardous Polymerization:**

Not expected to occur.

## TOXICOLOGICAL INFORMATION

### **Acute Toxicity:**

#### **Dermal/Skin:**

Not determined.

Inhalation/Respiratory:

Not determined.

#### **Oral/Ingestion:**

Not determined.

**Target Organs:** No data found.

#### **Carcinogenicity:**

##### **NTP:**

Not tested.

##### **IARC:**

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Not listed.

**OSHA:**

Not regulated.

Other Toxicological Information

## ECOLOGICAL INFORMATION

**Ecotoxicological Information:** No ecological information available.

**Environmental Fate (Degradation, Transformation, and Persistence):**

Bioconcentration is not expected to occur.

## DISPOSAL CONSIDERATIONS

**Regulatory Information:**

Not applicable.

## DISPOSAL CONSIDERATIONS (CONT.)

**Disposal Method:**

Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

## TRANSPORT INFORMATION

Proper Shipping Name: Not Determined.

**Hazard Class:**

Subsidiary Hazards:

**ID Number:**

**Packing Group:**

## REGULATORY INFORMATION

**UNITED STATES:**

**TSCA:**

This product is solely for research and development purposes only and may not be used, processed or distributed for a commercial purpose. It may only be handled by technically qualified individuals.

## OTHER INFORMATION

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 present unknown hazards and should be used with caution. .