

## MATERIAL SAFETY DATA SHEET: Recombinant Protein A (Revision 1)

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### SECTION 1 – PRODUCT IDENTIFICATION

Supplier: RepliGen Corporation  
41 Seyon Street, Building #1, Suite 100  
Waltham, MA 02453  
Phone: (781) 250-0111; Fax: (781) 250-0115

Product Name: Recombinant Protein A  
Synonyms: rPA50, srPA50, rSPA, rProteinA, rProtein A, Protein A  
Catalog No(s): 10-1001, 10-1501, 10-2001

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### SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Purified Recombinant Protein A, derived from genetically modified *Escherichia coli*. Product is provided frozen in an aqueous buffer.

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### SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: No specific hazards identified

HMIS: Health Hazard: 0 (No significant risk to health.)  
Flammability: 0 (Will not burn)  
Reactivity: 0 (Stable)

NFPA: Health Hazard: 0 (Poses no health hazard,)  
Fire: 0 (Will not burn)  
Reactivity: 0 (Stable, not reactive with water)

Potential Health Effects: No health effects have been identified.  
May be harmful if inhaled, swallowed, or absorbed through skin.  
May cause eye irritation.

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### SECTION 4 – FIRST AID MEASURES

If swallowed: Induce vomiting. Get medical attention  
In case of eye contact: Flush eyes with clean water for at least 15 minutes  
Skin contact: Flush skin with water  
If inhaled: Move to fresh air. Get medical attention

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### SECTION 5 – FIRE FIGHTING MEASURES

Non Flammable: No specific fire hazard  
Flash point: N/A  
Ignition point: N/A  
Fire Extinguishing media: Use any suitable media as for the surrounding fire

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**Recombinant Protein A (rPA50, srPA50, rSPA, rProteinA, rProtein A, Protein A)**

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**SECTION 6 – STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE:**

<u>Personal Protection</u>	Wear lab coat, gloves and eye protection. Treat with procedures appropriate for biological materials. Soak up spill with absorbent material and collect in a closed container suitable for incineration. Clean the affected area with disinfectant solution. Do not allow material to enter soil, waterways or drains.
<u>Disposal procedure:</u>	Dispose of in accordance with all applicable federal, state, and local environmental regulations.

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**SECTION 7 – HANDLING AND STORAGE**

Ventilation:	Keep in a well ventilated area
Respiratory Protection:	N/A
Eye/skin Protection	Standard laboratory practices recommended.
Storage:	Keep container closed. Store frozen for optimum shelf life.
Special precautions:	N/A

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**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

General	Standard laboratory practices recommended. Clean any exposed skin after handling, before leaving the working area, and before eating, smoking or using the lavatory. Dispose of, or clean any contaminated clothing before re-use.
PPE	Personal protective equipment should be selected to provide adequate protection based upon the procedures being performed. Wear laboratory coat, gloves and safety glasses when handling. Respiratory protection not required

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Frozen aqueous solution
pH	pH 5 - 8
Flash point	Will not burn
Ignition point	Will not ignite
Explosion limits	No risk of explosion
Solubility	Soluble in water

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**SECTION 10 – STABILITY AND REACTIVITY**

Stability:	Stable
Hazardous polymerization:	Will not occur
Decomposition products:	No known hazardous decomposition products

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

Acute toxicity:	No known significant effects
Irritation:	No known significant effects. May be a skin or eye irritant.
Sensitization:	No known significant effects
Carcinogenicity	No known significant effects
Mutagenicity	No known significant effects
Teratogenicity	No known significant effects

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**SECTION 12 – ECOLOGICAL INFORMATION**

No known hazards

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable federal, state, and local environmental regulations.  
Do not allow spilled material to enter soil, waterways or drains

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**SECTION 14 – TRANSPORT INFORMATION**

IATA	Not classified
DOT Road Transport	Not Regulated

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**SECTION 15 – REGULATORY INFORMATION**

OSHA/SARA/CWA/CAA: No known hazards

EU Risk and Safety Statements:

- Not classified
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**SECTION 16 – OTHER INFORMATION**

The material published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions.

Repligen makes no warranty or representation about the accuracy or completeness nor fitness for purpose of the information contained herein.

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