

MSDS

Version 1.0
Revision Date: 07/24/2013

Product and Company Identification

Product Name: Recombinant Protein A, Agarose
Cat #: PPA-502, PPA-503, PPA-504
Product Use: For Research Use Only. Not for use in diagnostic procedures
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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.

FIST 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.

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.

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:

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. .