

# MATERIAL SAFETY DATA SHEET

Llama Immunoglobulin G HRP Conjugate

FILE NO.: LIlgGHRP  
MSDS DATE: 13-December-2017

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** Llama Immunoglobulin G HRP Conjugate  
**SYNONYMS:** Llama IgG-HRP, Llama Antibody Horseradish Peroxidase, Llama Secondary Antibodies  
**PRODUCT CODES:** Peroxidase LI x Alpha -# #-Alpha HRP

**MANUFACTURER:** ImmunoReagents, Inc.  
**DIVISION:**  
**ADDRESS:** 6003 Chapel Hill Road  
Raleigh, NC 27587

**PHONE:** 1-919-831-2240  
**EMAIL:** info@immunoreagents.com

**PRODUCT USE:** Immunoreagent  
**PREPARED BY:** ImmunoReagents, Inc.

**SECTION 1 NOTES:** **Not regulated as per IATA**

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENTS</u>	<u>CAS NO.</u>	<u>% WT or Amount</u>
Horseradish Peroxidase	9003-99-0	0.1%
Kathon CG		
Methyl chlorisothiazolinone	26172-55-4	1.15%
Methyl isothiazolinone	2682-20-4	0.35%
Phosphate Buffer Saline	N/A	99.05%

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## SECTION 3: HAZARDS IDENTIFICATION

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Kathon CG – 0.1% (w/v) used as an anti-microbial. Based on OSHA Hazard Communications Standard (CFR 1910:1200), a mixture containing less than 1% of a hazardous chemical shall not be considered hazardous. However, precautions for handling potentially hazardous reagents should be practiced when using these products.

**EMERGENCY OVERVIEW:**

**ROUTES OF ENTRY:** Skin contact, ingestion, inhalation, eye contact

**POTENTIAL HEALTH EFFECTS**

**EYES:** Unknown

**SKIN:** Unknown

**INGESTION:** Unknown

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**INHALATION:** Unknown

**ACUTE HEALTH HAZARDS:** Unknown

**CHRONIC HEALTH HAZARDS:** Unknown

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Unknown

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**CARCINOGENICITY:** Unknown

**SECTION 3 NOTES:**

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## SECTION 4: FIRST AID MEASURES

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**SKIN:** In case of contact, immediately wash well with mild soap copious amounts of water. Remove any contaminated clothing. Flush skin surface with additional water.

**EYES:** Immediately flush eyes with copious amounts of water for at least 15 minutes and get medical attention.

**ORAL:** Flush mouth with copious amounts of water. Do not swallow rinse water.

**INHALATION:** If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician. If warranted, seek medical attention. If possible, save sample of material that caused reaction for use in determination of appropriate treatment.

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## SECTION 5: FIRE-FIGHTING MEASURES

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Non-flammable

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### ACCIDENTAL RELEASE MEASURES

Local exhaust: Not Required

Protective clothing: Lab Coat

Protective gloves: Rubber/Latex

Eye protection: Safety glasses

Other precautions: Avoid contact and inhalation; do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

Respiratory protection: None normally required.

Leak and spill procedure: Absorb spills of reagents and patients samples with absorbent paper, taking care not to spread the material. Clean spill area with water.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: -2-8C

OTHER PRECAUTIONS: None

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Control Parameters of Hazardous Ingredients Kathon CG – 0.1% (w/v) used as an anti-microbial. Based on OSHA Hazard Communications Standard (CFR 1910:1200), a mixture containing less than 1% of a hazardous chemical shall not be considered hazardous. However, precautions for handling potentially hazardous reagents should be practiced when using these products.

ENGINEERING CONTROLS: None

VENTILATION: None

RESPIRATORY PROTECTION: None

EYE PROTECTION: Safety glasses

SKIN PROTECTION: Gloves/Lab coat

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Use standard protocols for unknown compounds

EXPOSURE GUIDELINES: unknown

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE:    Brown Powder/ liquid when rehydrated

ODOR: none

PHYSICAL STATE: suspension in liquid

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY: Stable at 2-8C.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: Unknown

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: Unknown

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Treat as organic hazardous waste

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## SECTION 14: TRANSPORT INFORMATION

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DOT

PROPER SHIPPING NAME: NONE

NON-HAZARDOUS FOR TRANSPORT: THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR TRANSPORT.

IATA

NON-HAZARDOUS FOR AIR TRANSPORT: NON-HAZARDOUS FOR AIR TRANSPORT.

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## SECTION 15: REGULATORY INFORMATION

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NOT AVAILABLE.

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## SECTION 16: OTHER INFORMATION

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