

# MATERIAL SAFETY DATA SHEET

Llama Immunoglobulin G

FILE NO.: LIIgG  
MSDS DATE: 20-July-2018

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Llama Immunoglobulin G  
SYNONYMS: Llama IgG, Llama Antibody, Llama Secondary Antibodies  
PRODUCT CODES: LI x Alpha -# # - Alpha

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>
<b><u>Buffer (Part # BU-013)</u></b>		
Sodium Azide	26628-22-8	0.05%
Phosphate Buffer Saline	N/A	99.05%

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## SECTION 3: HAZARDS IDENTIFICATION

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Sodium Azide is a toxic substance. Avoid contact with components, which contain Sodium Azide, and do not ingest. An accumulation of sodium azide may results in a reaction with lead or copper plumbing to form explosive metal azide complex. If drain disposed, dilute and flush with copious amount of running water to prevent azide build-up. Sodium Azide is dangerous when in contact with acid.

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 Sodium Azide: CAS# 26628-22-8, RTECS# VY805000, TLV-Ceiling = 0.3 mg/m<sup>3</sup>, NIOSH (the concentration of sodium azide in this is well below the TLV-shown above). Threshold limit value 1.0 ppm, TDLo (oral) 710 mcg/kg, female 3 mg/kg, LDLo (oral) 29 mg male, LDLo (oral) 786 mg female.

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:**

Buffers- Clear, colorless liquid

**ODOR:** none

**PHYSICAL STATE:** suspension in liquid

**SECTION 10: STABILITY AND REACTIVITY**

STABLE

UNSTABLE

**STABILITY:** Stable at 2-8C.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** Unknown

**SECTION 11 NOTES:**

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Unknown

**SECTION 12 NOTES:**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Treat as organic hazardous waste

**SECTION 14: TRANSPORT INFORMATION**

**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.

**SECTION 15: REGULATORY INFORMATION**

NOT AVAILABLE.

**SECTION 16: OTHER INFORMATION**

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