

# MATERIAL SAFETY DATA SHEET

Human Immunoglobulins

FILE NO.: HulGgs  
MSDS DATE: 18-August-2017

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Human Immunoglobulin G/A/M  
SYNONYMS: Human IgG/IgA/IgM, Human Antibody  
PRODUCT CODES: Hu-003-B, Hu-001-M, Hu-003-C, Hu-005-C, Hu-004-M, Hu-006-M

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%
Sodium Phosphate	10049-21-5	10 mM
Sodium Chloride	7647-14-5	0.15 M

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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

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## 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

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EXPOSURE GUIDELINES: unknown

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Clear, colorless liquid

ODOR: none

PHYSICAL STATE: 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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### LAND TRANSPORT (ADR/RID/DOT)

No dangerous good in sense of this transport regulation.

### SEA TRANSPORT (IMDG)

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not relevant

### AIR TRANSPORT (ICAO-TI /IATA-DGR)

No dangerous good in sense of this transport regulation

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## SECTION 15: REGULATORY INFORMATION

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**Safety, health and environmental regulations/legislation specific for the substance or mixture**

### GENERAL RULES

Water hazard class (WGK): slightly hazardous to water (WGK 1)

### California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### Chemical Safety Assessment

No data available

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## SECTION 16: OTHER INFORMATION

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### ABBREVIATIONS AND ACRONYMS

ACGIH - American Conference of Governmental Industrial Hygienists  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road AGS -  
Committee on Hazardous Substances (Ausschuss für Gefahrstoffe)  
CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures DFG  
- German Research Foundation (Deutsche Forschungsgemeinschaft)  
DOT - U.S. Department of Transportation  
Gestis - Information system on hazardous substances of the German Social Accident Insurance (Gefahrstoffinformationssystem der  
Deutschen Gesetzlichen Unfallversicherung)  
IATA-DGR - International Air Transport Association-Dangerous Goods Regulations  
ICAO-TI - International Civil Aviation Organization-Technical Instructions  
IMDG - International Maritime Code for Dangerous Goods LTV -  
Long Term Value  
NIOSH - National Institute for Occupational Safety and Health OSHA -  
Occupational Safety & Health Administration  
PBT - Persistent, Bioaccumulative and Toxic  
RID - Regulation concerning the International Carriage of Dangerous Goods by Rail STV -  
Short Term Value  
SVHC - Substances of Very High Concern  
vPvB - very Persistent, very Bioaccumulative

### Additional information

Indication of changes: general update

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*