



Material Safety Data Sheet

IHSB-MSDS

Rev. Date: Dec. 1, 2016

Revision: 1

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Section 1. Product and Company Identification

Product Name	HRP Stabilizing Diluent (Phosphate Buffered)
Product Number	IHSB
Intended Use	Laboratory reagent.
Manufacturer	Teomics, LLC.
Address	Energy Research Park 5000 Gulf Freeway, Bldg 5 (114) Houston, Texas 77023
Phone Number	800-397-3010
Website	teomics.com

Section 2. Hazards Identification

HMIS (U.S.A.)	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B
OSHA	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Warning!	May be irritating to eyes.	
Classification	N/A	

Section 3. Composition and Information on Ingredients

Name	CAS#	EC#	%
Water	7732-18-5	231-791-2	≥ 95
Bovine Serum Albumin	9048-46-8	9048-46-8	≤ 1.0
Sodium Chloride	7647-14-5	7647-14-5	≤ 0.9
Potassium Phosphate	7758-11-4	7758-11-4	≤ 0.1

May contain additional non-hazardous proprietary ingredients. May also contain additional active ingredients at concentrations <0.1%w/v.

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention.
Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.
Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen.
Ingestion: Get immediate medical attention.

Section 5. Fire Fighting Measures

Extinguishing Media	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
Unusual Fire and Explosion Hazards	No unusual fire or explosion hazards expected.
General Information	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

Section 6. Accidental Release Measures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7. Handling and Storage

Avoid contact with skin and eyes.
 Wash thoroughly after handling.
 Store in well ventilated area.
 Keep container tightly closed.
 Avoid breathing vapor.
 Store at 2-8 °C.

Section 8. Exposure Controls / Personal Protection

Exposure Limits	N/A
Personal Protection	Chemical resistant gloves are required. Safety glasses or goggles are required. Avoid breathing vapor.
Engineering Controls	Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.

Section 9. Physical and Chemical Properties

Physical State	Liquid.
Color	Amber.
Odor	Odorless.
pH	7.0 ±0.2
Molecular Weight	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Evaporation Rate	N/A
Viscosity	N/A
Boiling Point	N/A
Freezing Point	N/A
Melting Point	N/A
Solubility	N/A
Solubility in Water	Soluble
Flash Point	N/A
Explosion Limits (%)	N/A

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Fire, static electricity, direct sunlight.
Incompatible Materials	Strong acids, bases and oxidizers.
Hazardous Decomposition Materials	May produce toxic fumes of phosphorus oxides and sodium oxides under fire conditions.
Hazardous Polymerization	Not reported.



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Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Acute Toxicity	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.
Chronic toxicity	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.
Toxicity to Animals	Not Available.
Special Remarks	None

Section 12. Ecological Information

Ecotoxicity	No relevant studies identified.
Mobility	No relevant studies identified.
Bio-accumulation	No relevant studies identified.
Persistence/Degradability	No relevant studies identified.
Additional Remarks	None.

Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

Section 14. Transport Information

DOT CRF 172.101 Data	Not a DOT controlled material (United States).
UN Shipping Name	N/A
UN Number	N/A
UN Class	N/A
UN Packing Group	N/A
Special Provisions	None.
Canada TDG	Not regulated.

Section 15. Regulatory Information

Federal and State Regulations	Not regulated.
Other Regulations	N/A
EU Hazard Symbol and Indication of Danger	N/A
R phrases	R36 May be irritating to eyes.
S phrases	N/A

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Teomics, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.