



# Safety Data Sheet

## HBSR-MSDS

Rev. Date: Dec. 1, 2016

Revision: 1

Page 1 of 3

### Section 1. Product and Company Identification

Product Name	Biebrich Scarlet Solution (0.2%)
Product Number	HBSR
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 considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Warning!	May cause sensitization of skin by contact. May be irritating to skin and respiratory tract.	
Classification	Xi	

### Section 3. Composition and Information on Ingredients

Name	CAS#	EC#	%
Water	7732-18-5	231-791-2	≥ 98%
Biebrich Scarlet	4196-99-0	224-084-5	≤ 0.2%
Acetic Acid	64-19-7	200-580-7	≤ 1%

May contain additional non-hazardous proprietary ingredients. May also contain additional active ingredients at concentrations &lt;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.

### Section 8. Exposure Controls / Personal Protection

<b>Exposure Limits</b>	N/A
<b>Personal Protection</b>	Chemical resistant gloves are required. Safety glasses or goggles are required. Avoid breathing vapor.
<b>Engineering Controls</b>	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

<b>Physical State</b>	Liquid
<b>Color</b>	Dark Red
<b>Odor</b>	Slight vinegar smell.
<b>pH</b>	N/A
<b>Molecular Weight</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	N/A
<b>Evaporation Rate</b>	N/A
<b>Viscosity</b>	N/A
<b>Boiling Point</b>	N/A
<b>Freezing Point</b>	N/A
<b>Melting Point</b>	N/A
<b>Solubility</b>	N/A
<b>Solubility in Water</b>	Soluble
<b>Flash Point</b>	N/A
<b>Explosion Limits (%)</b>	N/A

### Section 10. Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal temperatures and pressures.
<b>Conditions to Avoid</b>	Fire, static electricity, direct sunlight.
<b>Incompatible Materials</b>	Strong acids, strong oxidizers.
<b>Hazardous Decomposition Materials</b>	Carbon oxides.
<b>Hazardous Polymerization</b>	Not reported.



Safety Data Sheet  
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Page 3 of 3

### Section 11. Toxicological Information

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

### Section 12. Ecological Information

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

### Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

### Section 14. Transport Information

<b>DOT CRF 172.101 Data</b>	Not a DOT controlled material (United States).
<b>UN Shipping Name</b>	N/A
<b>UN Number</b>	N/A
<b>UN Class</b>	N/A
<b>UN Packing Group</b>	N/A
<b>Special Provisions</b>	N/A
<b>Canada TDG</b>	Not controlled.

### Section 15. Regulatory Information

<b>Federal and State Regulations</b>	N/A
<b>Other Regulations</b>	N/A
<b>EU Hazard Symbol and Indication of Danger</b>	N/A
<b>R phrases</b>	N/A
<b>S phrases</b>	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.