

# Safety Data Sheet

## 1X HEPES-Buffered Hank's Balanced Salt Solution



### SECTION 1: Identification of the Substances and the Company/Undertaking

Identification of the Substance or Mixture **Product Name:** 1X HEPES-Buffered Hank's Balanced Salt Solution **Catalog Numbers:** 7001

#### Company/Undertaking Identification

Ion Biosciences  
3055 Hunter Road, Box 3  
San Marcos, TX 78666  
+1 512.957.9123

#### 24 hour Emergency Response

866.536.0631  
301.431.8585  
+1 301.431.8585 (Outside the U.S.)  
For Research Use Only. Not for use in diagnostic procedures.

### SECTION 2: Hazards Identification

#### GHS - Classification

**Signal word:** None.  
**Health Hazards:** Not hazardous.  
**Physical Hazards:** Not hazardous.  
**Environmental Hazards:** Not hazardous.  
**Hazard statements:** None.

#### Precautionary Statements

**Prevention:** None.  
**Response:** None.  
**Storage:** None.  
**Disposal:** None.

#### Potential Health Effects

**Eyes:** No data available.  
**Skin:** No data available.  
**Inhalation:** No data available.  
**Ingestion:** No data available.

#### Specific Effects

**Carcinogenic effects:** None.  
**Mutagenic effects:** None.  
**Reproductive toxicity:** None.  
**Sensitization:** None.  
**Target organ effects:** No data available.

#### HMIS

Health	0
Flammability	0
Reactivity	0

### SECTION 3: Composition/Information on Ingredients

Handle all chemicals with caution.

Component	CAS-No	EINECS-No	Weight%
HHBSS	-	-	Withheld

### SECTION 4: First Aid Measures

**Skin contact:** Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Get medical advice/attention if you feel unwell. Rinse mouth.

**Inhalation:** Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed:** No data available.

**Notes to physician:** Treat symptomatically.

**Indication of any immediate medical attention and special treatment needed:** No data available.

## SECTION 5: Firefighting Measures

### Extinguishing Media

**Suitable extinguishing media:** Water spray. Dry chemical. Carbon Dioxide (CO<sub>2</sub>) Foam.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:** Not known.

**Advice for firefighters:** Standard procedure for chemical fires.

## SECTION 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Always wear recommended Personal Protective Equipment. See Section 8 for more detail.

**Environmental precautions:** No special environmental precautions required.

**Methods and material for containment and cleaning up:** Soak up with inert absorbent material and dispose of as hazardous waste.

**Reference to other sections:** See section 8 for more information.

## SECTION 7: Handling and Storage

**Handling:** Handling is performed in a well ventilated place. Wear suitable protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

**Conditions for safe storage, including any incompatibilities:** Keep in a dry, cool and well-ventilated place.

**Specific end use(s):** For research use only.

## SECTION 8: Exposure Controls/Personal Protection

### Control Parameters

#### Exposure limits:

OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
None	None	None	None

**Engineering measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection:** Wear suitable chemical-resistant gloves.

**Eye protection:** Wear safety glasses with side shields (or goggles).

**Skin and body protection:** Lightweight protective clothing.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls:** No special environmental precautions required.

### Exposure Controls

**Personal Protective Equipment:** Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

## SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties.

**Form:** Liquid.

**Appearance:** Clear solution.

**Odor:** No data available.

**Odor threshold:** No data available.

**Boiling point/boiling range:** °C No data available; °F No data available.

**Melting point/melting range:** °C No data available; °F No data available.

**Flash point:** °C No data available; °F No data available.

**Autoignition temperature:** °C No data available; °F No data available.

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

**Oxidizing properties:** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Water solubility:** No data available.

**pH:** 7.3

## SECTION 10: Stability and Reactivity

**Reactivity:** No data available.

**Stability:** Stable under normal conditions.

**Materials to avoid:** No data available.

**Possibility of hazardous reactions:** No data available.

**Hazardous decomposition products:** No data available.

**Polymerization:** Hazardous polymerization does not occur.

**Conditions to avoid:** No data available.

## SECTION 11: Toxicological Information

### Acute Toxicity:

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
HHBSS	No data	No data	No data

**Skin:** No data available.

**Inhalation:** No data available.

**Ingestion:** No data available.

**Carcinogenic effects:** No data available.

**Mutagenic effects:** No data available.

**Reproductive toxicity:** No data available.

**Sensitization:** No data available.

**Additional Information:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Principle Routes of Exposure

### Potential Health Effects

**Eyes:** No data available.

## SECTION 12: Ecological Information

**Ecotoxicity:** Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Chronic aquatic toxicity:** No data available.

**Mobility:** No data available.

**Biodegradation:** No data available.

**Bioaccumulation:** No data available.

## SECTION 13: Disposal Considerations

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**Waste treatment methods:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique.

Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## SECTION 14: Transport Information

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**IATA/ADR/DOT-US/IMDG:** Not Classified as dangerous in the meaning of transport regulations.

**Proper shipping name:** None.

**Hazard class:** None.

**Subsidiary class:** None.

**Packing group:** None.

**UN-No:** None.

**Environmental hazards:** None.

## SECTION 15: Regulatory Information

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### US Federal Regulations

**SARA 313:** This product is not regulated by SARA.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):** This product does not contain HAPs.

### US State Regulations

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

**WHMIS Hazard Class:** Non-controlled.

## SECTION 16: Other Information

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For Research Use Only. Not for use in diagnostic procedures.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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