

**SECTION 1: IDENTIFICATION****1.1 Product identifier**

Product Name HCR™ Amplification Buffer

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses For research use only. Not for diagnostic use.

**1.3 Details of the supplier of the data sheet**

Company Molecular Instruments, Inc.  
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Los Angeles, CA 90041  
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**SECTION 2. HAZARDS IDENTIFICATION**

This safety data sheet complies with the requirements of Regulation EC 1907/2006.

**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 Label elements including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards**

None.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Chemical Characterization**

Mixture.

**3.2 Dangerous Components**

None.

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures**

General information	Move to fresh air. If you feel unwell, seek medical advice. Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air. Consult a physician if necessary. If not breathing, give artificial respiration.

Ingestion

Rinse mouth. Consult a physician. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Skin Contact

Rinse immediately with plenty of water. Get medical attention if symptoms occur.

Eye Contact

Rinse immediately with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses if present. Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

May cause slight skin irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed.

No information available.

### SECTION 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Alcohol-resistant foam, water spray, carbon dioxide (CO<sub>2</sub>), or dry chemical.

#### 5.2 Special hazards

No data available.

#### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus and protective suit.

#### 5.4 Further information

No data available.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Always use personal protection equipment. Avoid exposure to vapors, mist, or gas. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing.

#### 6.2 Environmental Precautions

Should not be released into the environment. Prevent product from entering drains.

#### 6.3 Methods and material for containment and clean up

Soak up with inert absorbent material. Place used material into appropriate containers for disposal. Clean contaminated area thoroughly.

#### 6.4 Reference to other sections

Wear personal protective equipment as described in Section 8 of the Safety Data Sheet.

**SECTION 7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Provide good ventilation. Always wear recommended personal protective equipment. Avoid spilling. Avoid contact with skin, eyes, and clothing.

**7.2 Conditions for safe storage, including any incompatibles**

Keep container tightly closed in a dry, cool, and well-ventilated place. Keep away from combustible material, strong acids, and strong bases.

**7.3 Specific end use(s)**

For research use only. Not for diagnostic use.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**Exposure Limits

Contains no substances with occupational exposure limit values.

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

**8.2 Exposure controls**Personal Protective Equipment

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection

Wear impervious 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

Should not be released in the environment. Prevent product from entering drains.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance: Liquid.

**9.2 Other information**

Not available.

SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity**

No information available.

**10.2 Stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

None under normal use conditions.

**10.4 Conditions to avoid**

Direct sunlight. Extremely high temperatures.

**10.5 Incompatible materials**

No dangerous reactions under conditions of normal use.

**10.6 Hazardous decomposition products**

None under conditions of normal use.

SECTION 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**

Toxicological information

No data available.

Principle Routes of exposure

Potential Health Effects

Inhalation

May cause irritation of respiratory tract.

Ingestion

May be harmful if swallowed.

Skin contact

May cause skin irritation in susceptible persons.

Eye contact

May cause eye irritation in susceptible persons.

Carcinogenetic effects

No information available.

Mutagenic effects

No information available.

Reproductive toxicity

No information available.

Sensitization

No information available.

Target organ effects

No information available.

Other adverse effect

No information available.

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Ecotoxicity**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulation potential**

No data available on bioaccumulation.

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

No information available.

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Avoid release into the environment. Disposal of contents and containers must comply with all requirements of local regulations.

**SECTION 14. TRANSPORT INFORMATION****IATA/ADR/DOT-US/IMDG**

Not dangerous goods. Not regulated by transport regulations.

<b>14.1 UN number</b>	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packaging group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not applicable

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available.

**15.2 Chemical safety assessment**

No data available.

## SECTION 16. OTHER INFORMATION

### **Disclaimer**

The above information is believed to be correct but 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 Molecular Instruments, Inc. cannot control the actual methods, volumes, or conditions of use, Molecular Instruments, Inc. shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. The information in this safety data sheet (SDS) does not constitute a warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose. See [www.molecularinstruments.com/terms](http://www.molecularinstruments.com/terms) for our terms of sale.