

SECTION 1: IDENTIFICATION**1.1 Product Identifier**

Product Name HCR™ IF Antibody Buffer

1.2 Product identified uses of the substance or mixer and uses advised against

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

1.3 Details of the supplier of the data sheetSupplier Molecular Instruments, Inc.
5015 Eagle Rock Blvd Suite 301
Los Angeles, CA 90041
Tel: (626) 210-2600**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Not a hazardous substance of mixture

2.2 GHS label elements including precautionary statements

Not a hazardous substance of mixture

2.3 Other hazards not covered by GHS

None

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

Mixtures

3.2 Dangerous Components

Chemical Name	CAS-No	EINECS-No	Weight %
Triton X-100	9002-93-1	618-344-0	<1%

SECTION 4. FIRST-AID MEASURES**4.1 Description of first aid measures**General information Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
Inhalation Allow victim to breath fresh air. Allow the

Ingestion

victim to rest. Get medical attention if symptoms occur.

Skin Contact

Rise mouth. Do not induce vomiting. Consult a physician.

Eye Contact

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

Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses if present.

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.

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Alcohol-resistant foam, water spray, carbon dioxide (CO₂), dry chemical

5.2 Special hazards

Carbon oxides, Sulphur oxides

5.3 Advice for fire fighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid exposure to vapors, mist, or gas. Ensure adequate ventilation. Always use personal protection equipment. 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 in the process area. Always wear recommended personal protective equipment. Avoid contact with skin, eyes, and clothing.

7.2 Conditions for safe storage, including and incompatibles

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

7.3 Specific end use(s)

For research use only.

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
Odor:	No information available
Odor threshold:	No information available
pH:	No information available
Melting point/freezing point:	No information available
Initial boiling point and boiling range:	No information available
Flash point:	No information available
Evaporation rate:	No information available
Flammability rate:	No information available
Upper/lower flammability or explosive limits:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Relative density:	No information available
Solubility(ies):	No information available
Partition coefficient:	No information available
Auto-ignition temperature:	No information available
Decomposition temperature:	No information available
Viscosity:	No information available

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

No information available

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No information available

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

No dangerous reaction known under conditions of normal use

10.6 Hazardous decomposition products

No data available

SECTION 11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects

 Toxicological information
 Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LD50 (inhalation, rat/mouse)
Triton X-100	1800 mg/kg (rat)	Not Listed	Not Listed

Principle Routes of exposure

Inhalation

May be harmful inhaled

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

Chemical Name	Freshwater algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	Log Pow
Triton X-100		EC50 26 mg/L (48h)	LC50 89.9 mg/L (96h) Pimephales promelus LC50 4.0 mg/L (96h)		2.7

12.2 Persistence and degradability

No information available

12.3 Bioaccumulation potential

No information available

12.4 Mobility in the soil

No information available

12.5 Other adverse effects

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product shall comply with all the requirements of all applicable local, regional, national/federal regulations.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport shipping name	Not applicable
14.4 Packaging group	Not applicable
14.5 Environmental hazards	Not applicable

SECTION 15. REGULATORY INFORMATION

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.

WHMIS Hazard Class

D2B - Toxic materials

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Chemical Name	CAS-No	Weight %
Triton X-100	9002-93-1	<1

California Proposition 65

This product does not contain any Proposition 65 chemicals.

International Regulations

Chemical Name	Canada - National Pollutant Release Inventory (NPRI)	Canadian Environmental Protection Agency (CEPA) - List of Toxic Substances	Canada's Chemicals Management Plan (CEPA)
Triton X-100	Part 1, Group A Substance	-	-

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 for our terms of sale