

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : HiGlo Blocking Buffer
IUPAC name: -
Product number : BUF81200
CAS number:

Company : The Native Antigen Company
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Blocking buffer was prepared using ultra-pure reagents dissolved in pharmaceutical grade water (WFI) and consists of a proprietary protein formulation in TRIS buffered saline at pH 7.6 with thimerosal added as an antimicrobial agent

4. FIRST AID MEASURES

If inhaled: Remove person to fresh air, seek medical advice if breathing becomes difficult.
In case of skin contact: Wash off with soap and water.
In case of eye contact: Rinse at eyewash station.
If swallowed: If swallowed, wash out mouth with water provided person is conscious. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



Special protective equipment for fire-fighters

None required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use with adequate ventilation. Personal protective equipment;

Respiratory: mask

Hand: protective gloves

Eye: chemical safety goggles

General hygiene measures

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Wear NIOSH approved respirator, chemical safety goggles, rubber boots and heavy rubber gloves. absorb on sand or vermiculite and place in closed containers for disposal. ventilate area and wash spill site after material pickup is complete. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes.

Conditions for safe storage

Recommended storage temperature: 4C for long term, +4C for up to one month

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THIMEROSAL

Exposure limit (TWA): WEL 0,1 mg/m³

% by Weight: 100

Sk: May cause eye and skin irritation. May irritate mucous membranes and upper respiratory tract.

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin

Personal protective equipment

Respiratory protection

Use with adequate ventilation and respiratory mask.

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.

Eye protection

Safety glasses

Skin and body protection

Laboratory coat

Hygiene measures

Avoid contact with skin, eyes and clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Colourless liquid

Safety data

pH: pH 7.6
Melting point: no data available
Boiling point: no data available
Flash point: no data available
Ignition temperature: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available
Water solubility: soluble

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Avoid multiple freeze thaw cycles

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Oxides of Nitrogen, Carbon Monoxide, Carbon Dioxide

Hazardous polymerization

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin corrosion/irritation

May cause skin irritation

Serious eye damage/eye irritation

May cause eye irritation

Respiratory or skin sensitization

May irritate mucous membranes and upper respiratory tract

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Aspiration hazard



no data available

Potential health effects

Inhalation	May irritate mucous membranes and upper respiratory tract
Ingestion	No data available
Skin	May cause skin irritation
Eyes	May cause eye irritation

Signs and Symptoms of Exposure

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

Additional Information

12. ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations. Can be disposed of down sink.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

Not dangerous goods, no transport limitations.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. OTHER INFORMATION

None

Last update: 09 January 2019

Prepared by: The Native Antigen Company



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