

Material Safety Data Sheet

Section 1 – Product and Company Information

Product Name: UltraBlock-Fish™ Blocking Buffer "Ready Use"

Product Identification Number: B396

Company: Leinco Technologies, Inc
359 Consort Drive
St. Louis, MO 63011 USA

Emergency Telephone: 636-230-9477
800-538-1145

Section 2 – Hazardous Ingredients

UltraBlock-Fish™ Blocking Buffer "Ready Use" contains 0.05% sodium azide (NaN_3 ; ingredient CAS# 26628-22-8) that when concentrated is considered very toxic and is a potential mutagen that targets the nerves, heart and brain (LD50 oral rat – 27 mg/kg). However, the sodium azide concentration in UltraBlock-Fish™ Blocking Buffer "Ready Use" is very low and may be slightly irritating. Azide forms explosive chemical compounds with lead and copper plumbing; care must be taken to flush waste down drains with copious amounts of water. UltraBlock-Fish™ Blocking Buffer "Ready Use" also contains phosphate buffered saline (PBS) which is a slight irritant to eyes, skin and respiratory system.

Section 3 – First-Aid Measures

If ingested: If conscious give large amounts of water and seek medical attention.

If inhaled: Remove to fresh air. If not breathing administer CPR. If breathing is difficult, give oxygen. If discomfort persists, seek medical attention.

In case of skin contact: Immediately wash skin with soap and copious amounts of water.

In case of contact with eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes assure adequate flushing by opening the eyelids with fingers. Call a physician.

Section 4 – Fire Fighting Measures, Extinguishing Media

Extinguishing Media: water spray, carbon dioxide, dry chemical powder or appropriate foam



Products are for research use only. Not for use in diagnostic or therapeutic procedures.

Material Safety Data Sheet

Special Firefighting Procedures: No necessary firefighting procedures are known

UltraBlock-Fish™ Blocking Buffer "Ready Use" is not a fire or explosion hazard

Section 5 – Safety Control Measures

Gloves, eyewear and standard laboratory protective clothing are recommended. Safe laboratory practices should be followed.

Section 6 – Physical Properties

Form: Solution
Color: Light yellow liquid
Boiling point: 100°C / 212°F
Vapor pressure (mm Hg): No data available
Vapor density: No data available
Solubility in water: Aqueous
Specific gravity: Not applicable
% Volatile by volume: Not applicable
Evaporation rate: No data available
pH: 7.2 – 7.6

Section 7 – Stability and Reactivity

Chemical Stability: Stable for over 18 months when stored at 2° C – 8° C

Incompatibilities: Copper, lead, silver, mercury, gold and carbon disulfide as NaN_3 may form explosive chemical compounds

Hazardous Combustion or Decomposition Products: Hazardous polymerization or decomposition will not occur. Nitrogen oxides may form upon decomposition of NaN_3

Section 8 – Toxicological Information

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



Products are for research use only. Not for use in diagnostic or therapeutic procedures.

Material Safety Data Sheet

investigated. May enter the body through ingestion, eye and skin contact.

Section 9 – Disposal Considerations

Flush waste down drains with copious amounts of water.

Section 10 – Accidental Release Measures

Preventative Measures: Wear appropriate NIOSHA/MSHA approved chemical resistant gloves, safety goggles, other protective clothing.

Clean Up Procedure: Wash all affected areas with large volumes of water. Collect liquid and flush down the drain with copious amounts of water or absorb with dry material appropriate for the surrounding materials and place in a regular waste container. Dispose of all waste in accordance with all national, state and local regulations.

Section 11 – 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. Leinco Technologies, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.



Products are for research use only. Not for use in diagnostic or therapeutic procedures.
