This MSDS is provided for your guidance and is based upon information and tests believed to be reliable. XpressBio makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The data are offered solely for your consideration and should not be confused with either state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of this information must be determined by the user to be in accordance with applicable federal, state, and local regulations.

This kit contains sodium azide. All the other components of the kit consist of aqueous buffer solutions containing proprietary buffers that are not thought to present any health hazard. The information listed below is pertinent to those buffers included in the kit.

HAZARDOUS COMPONENTS
Certain reagents in this kit contain sodium azide. Azides may react with lead and copper plumbing to form explosive azide compounds. When disposing of reagents, flush with copious quantities of water to minimize azide build up. Azide is poisonous. Aqueous buffers- composition is a trade secret.

TOXICITY DATA
Irritation Data
Irritating to eyes, mucous membranes and possibly upper respiratory tract.

Toxicity Data
No toxicity data is available.

Reviews, Standards and Regulations
Not available.

Target Organ Data
Not available.

PHYSICAL DATA
Appearance and odor, liquid
Boiling point, N/A
Specific gravity, N/A
Vapor density & pressure, N/A
Solubility in water, soluble

FIRE AND EXPLOSION HAZARD DATA
Extinguishing Media
Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Special Firefighting Procedures
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards
Emits toxic fumes under fire conditions.

HEALTH HAZARD DATA
Acute Effects
May be harmful or fatal if swallowed. May be harmful if absorbed through the skin or inhaled. Material is irritating to mucous membranes and possibly the upper respiratory tract. Causes eye and skin irritation. May cause allergic, respiratory and skin reactions.

Chronic Effects
Asthma.

Signs and Symptoms of Contact
Watery eyes, rough red skin.

Medical Conditions Generally Aggravated by Exposure
Respiratory ailments, sensitive skin.

FIRST AID
Skin contact: Wash skin with soap and copious amounts of water for at least 15 minutes. Remove contaminated clothes and shoes.

Eye contact: Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Ingestion: Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

In all cases immediately contact a physician.

REACTIVITY DATA
Incompatibilities
Bases, oxidizing agents.

Hazardous Combustion or Decomposition Products
Azides may react with lead and copper plumbing to form explosive azide compounds. Thermal decomposition may produce carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride gas.

Stability
Stable, avoid extreme heat.
Hazardous Polymerization
Will not occur.

SPILL OR LEAK PROCEDURES
Steps to be taken if material is released or spilled
If released or spilled absorb on neutral material. Wash spill area thoroughly with water. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method
When disposing of reagents, flush with copious quantities of water to minimize azide build up. Observe all Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Label Precautionary Statements
Irritant: Irritating to eyes, respiratory system and skin.
Sensitizer: May cause sensitization by inhalation and skin contact.

Special Protection and Handling Information
Respiratory protection, None needed
Ventilation, General ventilation
Protective Gloves, General lab safety gloves
Eye Protection, Use general eye protection-goggles.

Ventilation
Mechanical exhaust not required.

Handling and Storage, Wear appropriate protective clothing and gloves.

The above information is believed to be correct, but does not purport to be all inclusive and should be used only as a guide. XpressBio shall not be held liable for any damage resulting from handling or from contact with the above product.