

XPRESSBIO HIV INTEGRASE ASSAY KIT MATERIAL SAFETY DATA SHEETS

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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.