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MATERIAL SAFETY DATA SHEET

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 Page 1 of 1

EMERGENCY # FOR NATIONAL RESPONSE CENTER (800) 424-8802

SECTION 1.

CHEMICAL IDENTIFICATION

Product Name: **10X Apoptosis Wash Buffer**
 Catalog #: 500035, 535, 600034, 634, 600035, and 635
 Synonyms: None.
 CAS #: Not applicable to mixtures.
 Chemical Formula: Not applicable to mixtures.

SECTION 2.

HAZARDS IDENTIFICATION

Contains sodium azide. Irritant to skin, eyes, and upper respiratory tract. Dilute solutions are less toxic. Overexposure may cause headache, dizziness, gastrointestinal irritation, blurred vision, nausea, vomiting, low blood pressure, slow heart rate, reduced body pH and temperature, convulsions, and unconsciousness. May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing.

Contains phosphate buffered saline. Irritant to eyes, skin, and respiratory system.

SECTION 3.

CHARACTERISTICS

10X Apoptosis Wash Buffer is a slightly yellow liquid with a very slight odor.

Boiling point °f: No data available.
 Vapor pressure (mm Hg): No data available.
 Vapor density: No data available.
 Solubility in water: Soluble at room temperature.
 Specific gravity: Not applicable.
 % Volatile by volume: Not applicable.
 Evaporation rate: No data available.
 pH: 6.8-7.0.

SECTION 4.

STORAGE AND STABILITY

10X Apoptosis Wash Buffer is stable for 18 months when stored at 2°C - 8°C under ordinary conditions of use and storage. Keep in a tightly closed container. Do not allow evaporation to dryness. Containers may be hazardous when empty since they contain product residues.

Because it contains sodium azide, 10X Apoptosis Wash Buffer may generate hazardous decomposition products such as hydrozoic acid fumes and oxides of phosphorus, sodium, and nitrogen. Hazardous polymerization will not occur. This product contains sodium azide, which can be incompatible with strong acids and oxidizers such as: benzoyl chloride; potassium hydroxide; bromine; carbon disulfide; chromyl chloride; copper; dibromalononitrile; dimethyl sulfate; lead; barium carbonate; sulfuric acid; and nitric acid.

SECTION 5.

HEALTH HAZARD DATA

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

SECTION 6.

SAFETY CONTROL MEASURES

Wear lab coat, gloves, chemical safety glasses, face shield, boots, coveralls, etc. as appropriate to avoid skin and eye contact. Maintain eye wash fountain and safety shower in work area. Gloves and standard laboratory protective clothing and eyewear are recommended. Safe laboratory practices should be followed. A system of general exhaust is recommended to keep employee exposures below airborne exposure limits. Local exhaust is preferred.

SECTION 7.

AIRBORNE EXPOSURE LIMITS

Hydrazoic acid, HN₃, vapor is present where NaN₃ is handled.

NIOSH recommended exposure limit (rel) for sodium azide, NaN₃:
 0.1 ppm as HN₃ (Ceiling) skin.
 0.3 mg/m³ as NaN₃ (Ceiling) skin.

ACGIH threshold limit value (TLV) for sodium azide, NaN₃:
 0.11 ppm as HN₃ (Ceiling) A4, not classifiable as a human carcinogen.
 0.29 mg/m³ as NaN₃ (Ceiling), A4, not classifiable as a human carcinogen.

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Page 1 of 1

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SECTION 8.

FIRST AID MEASURES

Get immediate medical assistance for all cases of overexposure. Avoid prolonged exposure. Remove contaminated clothing and shoes, and wash before reuse.

Skin: Wash skin thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing and shoes, and wash before reuse.

Eyes: Flush with water for at least 15 minutes.

Ingestion: If conscious, give large amounts of water. Induce vomiting. Seek medical attention immediately.

Inhalation: Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen.

SECTION 9.

FIRE/EXPLOSION HAZARD DATA

10X Apoptosis Wash Buffer is not a fire hazard nor an explosion hazard. Use any means suitable for extinguishing surrounding fire. Water spray, carbon dioxide, dry chemical powder or appropriate foam can all be used. Firefighters should wear proper protective equipment and NIOSH-approved self-contained breathing apparatus.

SECTION 10. ACCIDENTAL RELEASE MEASURES

For release of large amounts of material, wear respirator, chemical safety glasses, rubber boots, and rubber gloves. Stop source of leak and isolate spill area. Ventilate area. Collect liquid in an appropriate container or absorb with an inert material (such as vermiculite, dry sand, charcoal) and place in chemical waste container. Us regulations (CERCLA) require reporting spills and releases to soil, water, and air in excess of reportable quantities. Toll free number to US coast guard national response center is (800) 424-8802.

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