

MATERIAL SAFETY DATA SHEET

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

SECTION 1. CHEMICAL IDENTIFICATION

Product Name: **10X Phosphate Buffered Saline**
Catalog #(s): 529, 6157, 6158, 6159
Synonyms: 10X PBS, PB1
CAS #: Not applicable to mixtures
Chemical Formula: Not applicable to mixtures

SECTION 2. HAZARDS IDENTIFICATION

Contains phosphates and salts. Irritant to eyes, skin, and respiratory system. Dilute solutions are less irritating.

SECTION 3. CHARACTERISTICS

10X Phosphate Buffered Saline is a clear liquid; however some salts may precipitate and form clear crystals at low temperatures.

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: 6.9

SECTION 4. STORAGE, HANDLING, STABILITY

10X Phosphate Buffered Saline is stable for 24 months when stored at 2°C - 8°C. When diluted to 1X, store at 2°C - 8°C for 14 days. It will not decompose in a hazardous manner. Hazardous polymerization will not occur.

SECTION 5. SAFETY CONTROL MEASURES

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

SECTION 6. HEALTH HAZARD DATA

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

SECTION 7. FIRST AID MEASURES

Remove contaminated clothing and shoes, and wash before reuse.

Skin: Wash skin thoroughly with soap and water.
Eyes: Flush with water for at least 15 minutes.
Ingestion: If conscious, give large amounts of water. Induce vomiting. Seek medical attention.
Inhalation: Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen.

SECTION 8. FIRE/EXPLOSION HAZARD DATA

10X Phosphate Buffered Saline is not flammable. It is not a fire hazard nor an explosion hazard. Use any means suitable for extinguishing surrounding fire. It is not necessary to use any special firefighting procedures. Water spray, carbon dioxide, dry chemical powder or appropriate foam can all be used.

SECTION 9. ACCIDENTAL RELEASE MEASURES

For release of large amounts of material, wear safety glasses and rubber gloves. Stop source of leak and isolate spill area. Collect liquid and flush down the drain with copious amounts of water, or absorb with dry material (such as paper towels) and place in a regular waste container. Dispose of all waste in accordance with all national, state, and local regulations.

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