

Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

Section 6: Accidental Release Measures

Personal Precautions

Place material into suitable containers.

Follow local emergency response plan for emergency events.

Restrict access to the area.

Attempt to ventilate area, if possible.

For cell over-voltage, use E-Stop if present and turn off power to recharge points.

Remove all metal objects including rings, watches, belts, etc. before handling battery cell or packs.

Allow cell to cool to ambient temperature before approaching.

Prevent skin and eye contact or inhalation of vapors.

Wear neoprene or nitrile rubber gloves and safety glasses/side shields when handling damaged battery cells or packs.

Environmental Precautions

Prevent entry of cell/electrolyte mixture into drains, surface water, or groundwater.

Contact local fire/police department.

Methods for Containment and Clean-up (Release of Cell/Electrolyte Mixture)

The electrolyte is normally not in a liquid state; it is electrolyte slurry and not a typical "liquid spill." Leave area and allow any vapor to dissipate. Prevent skin and eye contact or inhalation of vapor. Use Personal Protective Equipment (PPE) including safety glasses and chemical resistant neoprene or nitrile gloves; if vapor is present and cannot be ventilated use respiratory protection. Neutralization is not necessary. For small releases, use paper towel or dry cloth to absorb electrolyte. For large releases, clean up all spills/leaks immediately using an inert absorbent (vermiculite, cat litter, dry sand). Place contaminated sorbent in appropriate container and dispose of waste in accordance with local regulations. After removing the battery/cell and absorbent material, clean area with soap and water.

Other Information

Damaged cell should be stored in ventilated area away from flammable material, heat or open flames. Dispose or recycle in a sealed, non-conductive plastic bag, drum or container.

Section 7: Handling and Storage

Handling: No special protective clothing required for handling individual cells.