

#### 4.FIRST-AID MEASURES

**Internal cell materials of an opened battery cell**

- Inhalation: Make the victim blow his/her nose, gargle. Seek medical attention if necessary.
  - Skin contact: Remove contaminated clothes and shoes immediately. Wash extraneous matter or contact region with soap and plenty of water immediately.
  - Eye contact: Do not rub one's eyes. Immediately flush eyes with water continuously for at least 15 minutes. Seek medical attention immediately.
  - Ingestion: Induce vomiting by drinking tap water or salt water, and seek medical attention immediately.
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#### 5.FIRE-FIGHTING MEASURE

- Suitable extinguishing media: Plenty of water, carbon dioxide gas, nitrogen gas, chemical powder fire extinguishing medium and fire foam.
  - Specific hazards: Corrosive gas may be emitted during fire.
  - Specific methods of fire-fighting: When the battery burns with other combustibles simultaneously, take fire-extinguishing method which correspond to the combustibles. Extinguish a fire from the windward as much as possible. Pre-wet the surrounding combustibles to prevent fire spread.
  - Special protective equipment for firefighters:
    - Respiratory protection: Burning batteries may emit toxic fumes of HF, PF5, and other. Respiratory equipment of a gas mask
    - Hand protection: Protective gloves
    - Eye protection: Goggle or protective glasses designed to protect against liquid splashes
    - Skin and body protection: Protective cloth
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#### 6.ACCIDENTAL RELEASE MEASURES

Spilled internal cell materials, such as electrolyte leaked from a cell, are carefully dealt with according to the followings.

- Precautions for human body: Remove spilled materials with protective equipment (protective glasses and protective gloves). Do not inhale the gas as much as possible. Moreover, avoid touching with as much as possible.
    - Inside: Always have good ventilation
    - Outside: Wind direction must be considered when cleaning up the spills
  - Environmental precautions: Do not throw out into the environment. Prevent spills from entering sewers and river.
  - Method of cleaning up: For small quantities, the spilled solids are put into a container. The leaked place is wiped off with dry cloth. For large quantities, use soil to contain the area. Review federal, state and local government requirements prior to disposal.
  - Prevention of secondary hazards: Avoid re-scattering. Do not bring the collected materials close to fire.
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#### 7.HANDLING AND STORAGE

- Handling
    - Technical measures
      - Prevention of user exposure: Not necessary under normal use.
      - Prevention of fire and explosion: Not necessary under normal use.
    - Specific safe handling advice: Never throw out cells in a fire or expose to high temperatures. Do not soak cells in water and seawater. Do not expose to strong oxidizers. Do not give a strong mechanical shock or fling. Never disassemble, modify or deform. Do not connect each of the positive terminal and the negative terminal and the cell case with electrically conductive material. In the case of charging, charge according to the conditions specified by Sanyo. Install fire extinguishers, eye wash stations, emergency shower, etc. in easy-to-reach location.
  - Storage
    - Technical measures
      - Storage conditions (suitable, to avoid): Avoid direct sunlight, high temperature, high humidity. Store in cool place (temperature: -20 ~ 35 degree C, humidity: 45 ~ 85%).
      - Incompatible products: Conductive materials, water, seawater, strong oxidizers and strong acids
      - Packing material (recommended, not suitable): Insulative and tearproof materials are recommended.
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