

iRadio DM-4R Battery Safety Data Sheet (SDS)

1. Product and Company Identification

- **Product Name:** 7.4V 2.0Ah Lithium-Ion Battery with Two-Way Radio
- **Manufacturer:** iRadio Electronics Co. Ltd
- **Address:** 3F.4Th.Fujian Branch.National University Science Park.Shanmeiwenshan Village, Xiamei Town, Nan'an, Quanzhou, Fujian, China (Mainland)
- **Emergency Phone Number:** +86-15860305465

2. Hazards Identification

- **Classification:** Class 9 lithium-ion battery shipped with product.
- **Potential Hazards:** Risk of fire if damaged, short-circuited, or exposed to high temperatures.

3. Composition/Information on Ingredients

- **Battery Composition:** Lithium cobalt oxide (LiCoO₂), Graphite, Lithium hexafluorophosphate (LiPF₆), Ethylene carbonate, Diethyl carbonate, Dimethyl carbonate, Polypropylene, Steel, Copper, Aluminum.
- **Battery Weight:** 100 grams
- **Lithium Content:** 1.44%

4. First Aid Measures

- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Ingestion:** Do not induce vomiting. Rinse your mouth and seek medical attention.

5. Fire-Fighting Measures

- **Suitable Extinguishers:** Use Class D fire extinguisher for lithium-ion battery fires.
- **Special Fire Fighting Procedures:** Do not use water. Avoid breathing fumes.

6. Accidental Release Measures

- **Personal Precautions:** Wear protective gloves and eyewear.

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- **Environmental Precautions:** Prevent entry into waterways, sewers, and drainage systems.
- **Methods for Containment and Cleaning:** Contain spillage and collect using non-combustible absorbent material.

7. Handling and Storage

- **Handling:** Avoid dropping, puncturing, or crushing the battery.
- **Storage:** Store in a cool, dry place away from heat sources and direct sunlight.

8. Exposure Controls/Personal Protection

- **Engineering Controls:** Use proper ventilation when handling batteries.
- **Personal Protective Equipment:** Wear gloves and safety glasses.

9. Physical and Chemical Properties

- **Appearance:** Compact, rectangular battery.
- **Odor:** Odorless.
- **pH:** Not applicable.
- **Melting Point:** Not applicable.
- **Boiling Point:** Not applicable.

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions.
- **Incompatible Materials:** Avoid contact with water, strong oxidizers, and acids.

11. Toxicological Information

- **Acute Effects:** Skin and eye irritation, respiratory irritation if inhaled.
- **Chronic Effects:** Prolonged exposure may cause skin sensitization.

12. Ecological Information

- **Toxicity:** Harmful to aquatic life if released into the environment.

13. Disposal Considerations

- **Disposal:** Dispose of in accordance with local regulations. Recycle if possible.

14. Transport Information

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- **DOT Regulations:** Follow DOT regulations for lithium-ion batteries. **UN Number:** UN3481 (Lithium-ion batteries packaged with product)
- **Classification:** Class 9 lithium-ion battery shipped with product.
- **IATA Guidelines:** Follow IATA guidelines for air transport.

15. Regulatory Information

- **Safety, Health, and Environmental Regulations:** Com