

Updated on: April 2<sup>nd</sup>, 2024

## FOLK Maritime - Battery Transportation Guidelines (Special Cargo)

**Objective:** FOLK Maritime is dedicated to upholding the utmost standards of safety within maritime transportation. This comprehensive guide is devised as a clear reference to facilitate bookings for specific commodities, reinforcing our commitment to ensuring the welfare of our crew, both at sea and ashore, safeguarding the cargo, protecting the environment, and preserving the integrity of our vessels and facilities.

### Commodity: Batteries

**Overview:** An electric battery is an assembly of one or more electrochemical cells designed to convert stored chemical energy directly into electrical energy. Each cell comprises a positive terminal (cathode) and a negative terminal (anode), with electrolytes facilitating ion mobility across electrodes, thereby enabling electrical current to be drawn from the battery. It's noteworthy that batteries possess significantly lower specific energy compared to conventional fuels like gasoline.

- **Cell:** A distinct electrochemical component featuring a positive and a negative electrode, capable of producing an electric current, demonstrating a voltage differential across its terminals.
- **Battery:** An arrangement of one or more cells electrically interconnected, inclusive of the casing, terminals, and labels, intended to provide electrical power.
- **Synonyms:** Refers to cells, DC power sources, and Dry cells.

**Container Specifications:** Compatible with all container types.

**Risk Assessment:** Non-adherence to these guidelines might result in fires or explosions. Batteries can corrode and contaminate containers. They may spontaneously ignite or emit flammable gases when interacting with water. Lithium batteries, in particular, pose a risk of thermal runaway, potentially leading to fires or explosions.

### Commodity Details:

- **Lithium Batteries** and associated devices.
- **Non-Lithium Batteries** including but not limited to Alkaline dry, Manganese dioxide, Silver oxide, Zinc-carbon, Nickel cadmium, Gel type, Dry charged, Non-Spillable, and Nickel Metal Hydride.

### Acceptance Parameters:

- UN classifications we can accept include: UN2794/8, UN2795/8, UN2800/8, UN3028/8, UN3090/9, UN3091/9, UN3292/4.3, UN3480/9, UN3481/9, UN3496/9, UN3536/9.
- Batteries are eligible for shipping as non-hazardous goods against an MSDS and with FOLK Maritime's express authorization.
- Acceptance on FOLK Maritime vessels is guaranteed, subject to compliance with our policies and any applicable port restrictions.
- Special authorization is necessary for batteries that are used, expired, or intended for disposal or recycling.
- For commodities like power banks or mobile phones, please refer to the "Lithium Batteries" commodity description.

### Packing & Preparation Guidelines:

- Shippers are responsible for ensuring all packing complies with the IMDG packing and tank instructions as outlined in the IMDG code 3.2, in accordance with the CTU Code guidelines.

### Exclusions:

- Certain batteries under specific UN codes are not deemed acceptable as non-dangerous goods.

### Documentation Requirements:

- **For Dangerous Goods:** A Dangerous Goods Declaration (DGD) and a Container Packing Certificate (CPC) are mandatory.
- **For Non-Dangerous Goods:** Required documents include an MSDS & Lab Test Certificate, battery type identification, confirmation of compliance with the applicable IMDG special provisions, and a detailed packing list including photos of the unpacked commodity.

**Disclaimer:** The information contained in this document is general. It was created for clarification and guidance purposes with no guarantee of completeness or accuracy of this information. This Guidelines document does not include commitments on Folk Maritime and shall not be considered a part of an agreement between the parties. Folk Maritime may update or change these guidelines from time to time at its sole discretion. Under no circumstances shall Folk Maritime or its affiliates, suppliers, agents, employees, representatives be liable for any direct, indirect, or consequential damages arising out of the use of the information in these Guidelines.