

Material Safety Data Sheet

Section 1- Chemical Product & Company Identification

Product Name: Power Bank

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Item Code: NCT18002299M1-1

Section 2- Hazards Identification

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| <p>Hazard Description</p> | <p>Not dangerous with normal use. Do not dismantle, open or shred Li-ion Battery the ingredients contained within or their ingredients products could be harmful.</p> |
| <p>Primary Route(s) of Exposure</p> | <p>Inhalation, Ingestion, Eye contact and Skin contact.</p> |
| <p>Potential Health Effects:</p> | <p>Inhalation: Vapors or mists from a ruptured battery may cause respiratory irritation.</p> <p>Ingestion: The battery ingredients contained within or their ingredients products can cause serious chemical burns of mouth, esophagus, and gastrointestinal tract.</p> <p>Skin: Skin contact with contents of an open battery can cause severe irritation or burns to the skin.</p> <p>Eye: Eye contact with contents of an open battery can cause severe irritation or burns to the eye.</p> |

Section 3- Composition/Information on Ingredients

| Chemical Name | Concentration or concentration ranges (%) | CAS Number |
|-------------------------|-------------------------------------------|------------|
| Lithium Cobalt Oxide | 30-35 | 12190-79-3 |
| Graphite | 21-24 | 7782-42-5 |
| Polyvinylidene Fluoride | 2-5 | 24937-79-9 |
| SBR | 3-6 | 9003-55-8 |
| Copper Foils | 11-15 | 7440-50-8 |
| Aluminum Foils | 8-12 | 7429-90-5 |
| Electrolyte | 20~25 | N/A |
| Other | 5-10 | N/A |

Note: CAS number is Chemical Abstract Service Registry Number.

N/A=Not apply.

Section 4- First Aid Measures

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| Inhalation | Remove source of contamination or move victim to fresh air. Obtain medical advice. |
| Inhalation | Please rinse mouth thoroughly with water. Include vomiting under the guidance of professional personage. Please seek medical treatment in time. |
| Skin contact | Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid. |
| Eye contact | If ingestion of contents of an open battery occurs, never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 60 to 240 mL (2-8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Quickly transport victim to an emergency care facility. |

Section 5- Fire Fighting Measures

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| Characteristics of Hazard | Toxic fumes, gases or vapors may evolve on burning. |
| Hazardous Combustion Products | Carbon monoxide, carbon dioxide, lithium oxide fumes and so on. |
| Fire-extinguishing Methods and Extinguishing Media | Please use dry powder fire extinguisher and other proper fire extinguishing media |
| Attention in Fire-extinguishing | Sensitivity to Mechanical Impact: This may result in rupture in extreme cases Sensitivity to Static Discharge: Not Applicable |

Section 6- Accidental Release Measures

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| Personal Precautions, protective equipment, and emergency procedures | Restrict access to area until completion of clean-up. Do not touch the spilled material. Wear adequate personal protective equipment as indicated in Section 8. |
| Environmental Precautions | Prevent material from contaminating soil and from entering sewers or waterways. |
| Methods and materials for Containment | Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately. |
| Methods and materials for cleaning up | Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash water for proper disposal. |

Section 7- Handling and Storage

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| Handling | Don't handling Li-ion Battery with metalwork. Do not open, disassemble, crush or burn battery. |
| Storage | <p>If the Battery is subject to storage for such a long term as more than 3 months, it is recommended to recharge the Battery periodically.</p> <p>1 month: -20°C ~+45°C, 65±20% R.H.</p> <p>3 months: 0°C ~+45°C, 65±20% R.H.</p> <p>6 months: 20±5°C, 65±20% R.H.</p> <p>Long period more than 1 month: 20°C ~+35°C, 65±20% R.H.</p> <p>Do not storage Battery haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.</p> <p>Keep out of reach of children.</p> <p>Do not expose Li-ion Battery to heat or fire. Avoid storage in direct sunlight.</p> <p>Do not store together with oxidizing and acidic materials.</p> |

Section 8 - Exposure Controls/Personal Protection

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| Engineering Controls | No engineering controls are required for handling batteries that have not been damaged. Personal protective equipments for damaged batteries should include chemical resistant gloves and safety glasses. |
| Personal Protective Equipment | <p>Respiratory Protection: In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory Protection is not necessary under conditions of normal use.</p> <p>Protective Gloves: Not necessary under conditions of normal use.</p> <p>Other Protective Clothing or Equipment: Not necessary under conditions of normal use.</p> <p>Personal Protection is recommended for venting battery: Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.</p> |

Section 9- Physical and Chemical Properties

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| Physical State | Form: Solid |
| | Color: White and black. |
| | Odour: Monotony |
| Change in condition: | |
| pH, with indication of the concentration | Not applicable |
| Melting point/freezing point | Not available. |
| Boiling Point, initial boiling point | Not available. |
| Flash Point | Not available. |
| Upper/lower flammability or explosive limits | Not available. |
| Vapor Pressure: | Not applicable |
| Vapor Density: (Air = 1) | Not applicable |
| Density/relative density | Not available. |
| Solubility in Water: | Insoluble |
| n-octanol/water partition coefficient | Not available. |
| Auto-ignition temperature | 130°C |
| Decomposition | Not available. |
| Odour threshold | Not available. |
| Evaporation rate | Not available. |
| Flammability (soil, gas) | Not available. |
| Viscosity | Not applicable |

Section 10 – Stability and Reactivity

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| Stability | Stable under normal temperatures and pressures. |
| Conditions to Avoid | Heat above 70°C or incinerate, Deform, Mutilate, Crush, Disassemble, Overcharge, Short circuit, Expose over a long period to humid conditions. |
| Hazardous Decomposition Products | Toxic Fumes, and may form peroxides. |
| Possibility of Hazardous Reaction | If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalis, halogenated hydrocarbons. |

Section 11 – Toxicological Information

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| Irritation | In the event of exposure to internal contents, vapor fumes may be very irritating to the eye and skin. |
| Sensitization | Not Applicable. |
| Reproductive Toxicity | Not Applicable. |
| Toxicologically Synergistic Materials | Not Applicable. |

Section 12-Ecological Information

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| General note: | Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. |
| Anticipated behavior of a chemical product in environment/possible environmental impact/ecotoxicity | Not Applicable. |
| Mobility in soil | Not Applicable. |
| Persistence and Degradability | Not Applicable. |

Section 13 – Disposal Considerations

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| Waste Treatment | Recycle or dispose of in accordance with government, state & local regulation. |
| Attention for Waste Treatment | Deserted batteries couldn't be treated as ordinary trash. Couldn't be thrown into fire or placed in high temperature. Couldn't be dissected, pierced, crushed or treated similarly. Best way is recycling. |

Section 14 – Transport Information

This report applies to by sea, by air and by land;

The Power Bank (model: W5) tested according to the requirements of the UNITED NATIONS "Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria", Part III, subsection 38.3;

The Power Bank was protected so as to prevent short circuits. This includes protection against contact with conductive materials within the same packaging that could lead to short circuit;

The packaging shall be adequate to avoid mechanical damage during transport, handling and stacking.

The package must be handled with care and that a flammability hazard exists if the package is damaged.

The Power Bank can be shipped by air in according to Section II/Section IB of PACKING INSTRUCTION 965, of Section II of PACKING INSTRUCTION 966~967 of the 2018 IATA Dangerous Goods regulations 59th Edition.

With regard to transport, the following regulation are cited and considered:

- The International Civil Aviation Organization (ICAO) Technical Instructions.
- The International Air transport Association (IATA) Dangerous Goods Regulations.

UN number of lithium battery: UN3480 or UN3481;

UN Proper shipping name/Description (technical name): Lithium ion batteries or Lithium ion batteries contained in equipment or Lithium ion batteries packed with equipment;

UN Classification (Transport hazard class): Class 9 (PI965 Section IB) or N/A (PI965~967 Section)

- The International Maritime Dangerous Goods (IMDG) Code.

UN number of lithium battery: UN3480 or UN3481;

UN Proper shipping name/Description (technical name): Lithium ion batteries or Lithium ion batteries contained in equipment or Lithium ion batteries packed with equipment;

UN Classification (Transport hazard class): N/A;

Marine pollutant(Y/N): N;

The battery is not restricted according to IMO IMDG Code(inc Amdt 38-16).

Need to meet the Special Provision: International maritime dangerous goods code (IMDG) 188, 230, 310, 348, 957;

Section 15 – Regulatory Information

- 《Dangerous Goods Regulations》
- 《Recommendations on the Transport of Dangerous Goods Model Regulations》
- 《International Maritime Dangerous Goods》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》
- 《Classification and Code of Dangerous Goods》
- 《Occupational Safety and Health Act》 (OSHA)
- 《Toxic Substance Control Act》 (TSCA)
- 《Consumer Product Safety Act》 (CPSA)
- 《Federal Environmental Pollution Control Act》 (FEPCA)
- 《The Oil Pollution Act》 (OPA)
- 《Superfund Amendments and Reauthorization Act Title III(302/311/312/313)》 (SARA)
- 《Resource Conservation and Recovery Act》 (RCRA)
- 《Safety Drinking Water Act》 (CWA)
- 《California Proposition 65》
- 《Code of Federal Regulations》

In accordance with all Federal, State and local laws.

Section 16 – Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.

The data/ information contained herein has been reviewed and approved for general release on the basis that this document contains no export controlled information.

*******End of report*******