SAFETY DATA SHEET

Product name: BL-BP975D

Company name: NEP Inc.

Address: VORT KUDAN 3F, 3-7-14 KUDAN MINAMI, CHIYODAKU, TOKYO 102-0074, JAPAN

TEL: +81-3-3263-6741,(Emergency TEL(Kunio Masaoka Handy Phone): +81-90-6027-0828)

FAX: +81-3-3263-6741

This battery pack contains below mentioned materials.
Detailed document number is TCT231201M516

general name	CAS No.	concentration (%)
Lithium Cobalt Oxide(LiCoO2)	12190-79-3	36
Alminium Foil(Al)	7429-90-5	10
Graphite(C)	7782-42-5	20
Cooper Foil(Cu)	7440-50-8	10
Other	9003-55-8	24

Transport information

UN No.	proper shipping name	class
3480 (965)	Lithium-ion battery	9

VORT KUDAN 3F, 3-7-14 KUDAN MINAMI,
CHIYODAKU, TOKYO 102-0074, JAPAN

NEP Inc.

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PRODUCT INTRODUCTION SHEET

Brand: NEP Inc.

Model: BL-BP975D

Cell:	Lithium-ion(Li-ion)
Type:	DV type Battery
Voltage:	7.2V
Capacity:	Typical ---7.8Ah /56Wh
Built-in:	DC terminal,power checker
Suggest operating temperature:	-20°C~ +60°C
Dimension:	39(W) X 70 (L) X 61(D)mm(±1mm)
Weight:	Approximately 309g
Short circuit protection:	recoverable thermostat
Cut-off voltage:	6.0 V (Test data of lab, different camera will have different running time based on its own cut-off voltage)

Charging time by NEP chargers (full charge):

CHDV-S4-BP950G	Approx.234 min.
CHDV-S2-BP950G	Approx. 260 min.

Remarks:

* It is compatible with all professional equipment.
* After 500 charge/discharge cycles, it is normal if the remaining capacity is lower than 60% of initial capacity.

Life cycle test conditions:

- Temperature: 23±2℃
- Relative humidity: 65%±5.
- Atmospheric pressure: 86 Kpa ~ 106Kpa
- Measure the remaining capacity after 300 charge/discharge cycles at 0.5C with cut-off voltage set to 6.00V.

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FAX: +81-3-3265-1297

Lithium ion Battery Test Summary(Certificate of UN test)

model	BL-BP975D
Manufactuer/Brand	NEP Inc.
Address	VORT KUDAN 3F , 3-7-14 KUDANMINAMI , CHIYODAKU , TOKYO , 102-0074 , JAPAN
Tel	+81-3-3263-6741
e-mail	k-masaoka@nepinc.co.jp
URL	https://nepinc.co.jp
Test Laboratory	Shenzhen TCT Testing Technology Co., Ltd.
Address	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
TEL	+86-400-6611-140
e-mail	service@tct-lab.com
URL	http://www.tct-lab.com
Document Number	TCT231201M516
Date of Test	2024-01-01
Description of Product	Lithium ion Rechargeable Battery
Normal Voltage	7.2V
Capacity(mAh/Wh)	7800mAh/56Wh
Lithium Equivalent Content	4.5g
Product Weight	309g

Test Result

No.	Name of Test	Test Result	NOTE	
T1	AltitudeSimulation	Pass	First Cycle Fully charged 4 batteries	After 50 Cycle Fully charged 4 batteries
T2	Thermal Test	Pass		
T3	Vibration	Pass		
T4	Shock	Pass		
T5	External Short Circuit	Pass		
T6	Impact	Pass	First Cycle 50% charged 5cells	
T7	Overcharge	Pass	First Cycle Fully charged 4 batteries	After 50 Cycle Fully charged 4 batteries
T8	Forced Discharge	Pass	First Cycle Fully Discharged 10 cells	After 50 Cycle Fully Discharged 10 cells

Assembled Batttery Test	Not applicable
Refernce Edition	UN Manual of Tests and Criteria,ST/SG/AC.10/11/Rev.6 Part3,Sub-section 38.3
Signature	Kunio Masaoka

Kunio Masaoka(Sales Manager)
Sales and Marketing Div.
NEP Inc.

Company name: NEP Inc.
Address: VORT KUDAN 3F, 3-7-14 KUDAN MINAMI, CHIYODAKU, TOKYO 102-0074, JAPAN
TEL: +81-3-3263-6741,(Emergency TEL(Kunio Masaoka Handy Phone): +81-90-6027-0828)
FAX: +81-3-32625-1297

1.2m Drop Test Report

model	BL-BP975D
Manufactuer/Brand	NEP Inc.
Address	VORT KUDAN 3F , 3-7-14 KUDANMINAMI , CHIYODAKU , TOKYO , 102-0074 , JAPAN
Tel	+81-3-3263-6741
e-mail	k-masaoka@nepinc.co.jp
URL	https://nepinc.co.jp
Test Laboratory	Shenzhen TCT Testing Technology Co., Ltd.
Address	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
TEL	+86-400-6611-140
e-mail	service@tct-lab.com
URL	http://www.tct-lab.com
Document Number	TCT231201M516
Date of Test	2024-01-01

Battery Specification

Description of Product	Lithium ion Rechargeable Battery	Pass
Normal Voltage	7.2V	
Capacity(mAh/Wh)	7800mAh/56Wh	
Lithium Equivalent Content	4.5g	
Product Weight	309g	

Test Result

No.	Name of Test	Test Result	NOTE
1	1.2m Drop Test	Pass	Flat on the bottom(not cracked) Flat on the top(not cracked) Flat on the long side(not cracked) Flat on the short side(not cracked) Flat on the corners(not cracked)

Signature

Kunio Masaoka

Kunio Masaoka(Sales Manager)
Sales and Marketing Div.
NEP Inc.

MSDS Report

Applicant's name	NEP Inc.
Applicant's Address	VORT KUDAN 3F , 3-7-14 KUDANMINAMI , CHIYODAKU , TOKYO , 102-0074 , JAPAN
Name of Sample	Li-ion Battery Pack
Model	B L - B P 9 7 5 D
Nominal Voltage	7.2V
Rated Capacity	7800mAh,56.2Wh
Weight	300.0g
Size (L×W×T)	(71.0×38.6×61.0)mm
Prepared By	Shenzhen TCT Testing Technology Co., Ltd. 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Report No.	TCT231201M516

Written by: Spring Fu **Approved by:** Tomsin

Inspected by: Amy Zeng **Effective Date:** 2024. 01. 01

SHENZHEN TCT TESTING TECHNOLOGY CO., LTD TCT

Material Safety Data Sheet

Section 1- Chemical Product & Company Identification

Name of Sample	Li-ion Battery Pack
Manufacturer's name	NEP Inc.
Manufacturer's *Address*	VORT KUDAN 3F , 3-7-14 KUDANMINAMI , CHIYODAKU , TOKYO , 102-0074 , JAPAN
Tel	+81-3-3263-6741
Emergency Tel	+81-9060270828
E-mail	k-masaoka@nepinc.co.jp

Section 2- Hazards Identification

Classification of Danger	See section 14.
Primary Route(s) of Exposure	Eye, skin contact, ingestion.
Health Hazard	The batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there's Hazard of rupture, fire, heat, leakage of internal components, which could cause casualty loss. Abuses including but not limited to the following cases: charged for long time, short circuited, put into fire, whacked with hard object, punctured with acute object, crushed, and broken.

Section 3- Composition/Information on Ingredients

Chemical Name	*Concentration or concentration ranges (%)*	*CAS Number*
Lithium Cobalt Oxide	15-40	12190-79-3
Graphite	10-30	7782-42-5
Phosphate(1-), hexafluoro-, lithium	10-30	21324-40-3
Copper	7-13	7440-50-8
Aluminum foil	5-10	7429-90-5
Nickel	1-5	7440-02-0

Labeling according to EC directives.
No symbol and Hazard phrase are required.
Note: CAS number is Chemical Abstract Service Registry Number.
N/A=Not apply.

Section 4- First Aid Measures

Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.
Ingestion	Ingesting damaged batteries, do not induce vomiting or give food or drink. Seek medical attention immediately.

Section 5- Fire Fighting Measures

Characteristics of Hazard	Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes.
Hazardous Combustion Products	Carbon dioxide.
Fire-extinguishing Methods and Extinguishing Media	For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

Attention in Fire-extinguishing	Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6- Accidental Release Measures

Personal Precautions, protective equipment, and emergency procedures	In case of rupture. Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions	Prevent product 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

Handling	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.
Storage	Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children.
Other Precautions	In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.

Section 8 - Exposure Controls/Personal Protection

Engineering Controls	Use adequate ventilation to keep airborne concentrations low. If used under conditions that generate particulates, the ACGIH TLV-TWA of 3mg/m^3 respirable fraction (10mg/m^3 total) should be observed.

Personal Protective Equipment	Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield. Skin and Body Protection: None required for consumer use. If there is a Hazard of contact: Wear protective gloves and protective clothing. Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Section 9- Physical and Chemical Properties

Physical State	Appearance: Prismatic
	Color: Black
	Odour: If leaking, smells of medical ether.
Change in condition	
pH	Not applicable as supplied.
Flash Point	Not applicable unless individual components exposed.
Flammability	Not applicable unless individual components exposed.
Relative density:	Not applicable unless individual components exposed.
Solubility (water)	Not applicable unless individual components exposed.
Solubility (other)	Not applicable unless individual components exposed.

Section 10 −Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Exposure to air or moisture over prolonged periods.
Incompatible materials	Acids, Oxidizing agents, Bases.
Hazardous Decomposition Products	Carbon oxides.

Section 11 −Toxicological Information

Irritation	In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.
Sensitization	Not Available.
Reproductive Toxicity	Not Available.
Toxicologically Synergistic Materials	Not Available.

Section 12-Ecological Information

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 Available.

Section 13 −Disposal Considerations

Waste Treatment	Recycle or dispose of in accordance with government, state & local regulations.
Attention for Waste Treatment	Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling.

Section 14 −Transport Information

UN number	3480 & 3481
Proper shipping name	Lithium ion batteries (including lithium ion polymer batteries) or; Lithium ion batteries packed with equipment (including lithium ion polymer batteries) or; Lithium ion batteries contained in equipments (including lithium ion polymer batteries).
UN Classification (Transport hazard class):	Class 9 (PI965 Section IB) or N/A (PI966~967 Section II)
PG Packing Group:	N/A
Marine pollutant(Y/N):	N
IMDG EmS No.:	F-A, S-I
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.	

ICAO / IATA:	Can be shipped by air in accordance with International Civil Aviation Organization (ICAO), TI or International Air Transport Association (IATA), DGR Packing Instruction 965 Section IB, 966~967 Section II appropriate of IATA DGR 65th (2024 Edition) for transportation.
IMDG CODE:	The batteries are not restricted to IMDG Code 2022 Edition (Amdt 41-22) according to special provision 188.
DOT:	Other requirements for the US Department of Transportation (DOT) Subchapter C, Hazardous Materials Regulations if shipped in compliance with 49 CFR 173.185.
ADR/ ADN:	The batteries are not subject to the provisions of United Nations Economic Commission for Europe (UNECE) ADR/ADN if they meet the requirements of special provision 188 of Chapter 3.3. Applicable as from 1 January 2023.
In addition, to be permitted in transport each lithium cell and battery types must have passed the applicable tests set out in Subsection 38.3 of the UN Manual of Tests and Criteria.	

Section 15 −Regulatory Information

Dangerous Goods Regulations

Recommendations on the Transport of Dangerous Goods-Model Regulations

Recommendations on the Transport of Dangerous Goods-Manual of Tests and Criteria

International Air Transport Association (IATA)

International Maritime Dangerous Goods

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and code of dangerous goods

OSHA Hazard Communication Standard

Toxic Substance Control Act (TSCA)

Code of Federal Regulations

In accordance with all Federal, State and local laws

Section 16 −Additional Information

MSDS creation date: 2024 Version: 1.0

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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******