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IDENTITY (As Used on Label and List)	Note: Blank spaces are not permitted if any item is	not applicable or no
Lithium ion battery equipment information is available, the space must be marked to indicate that.		
Section 1- Identification		
Manufacturer's Name	Emergency Telephone Number	
GP Battery Marketing (HK) Ltd.	Within USA and Canada: 1-800-424-9300	
· · · · · ·	Outside USA and Canada:+1 703-527-3887	
Address (Number, Street, City State, and	Telephone Number for information	
ZIP Code)	+852-24843333	
7/F, Building 16W, 16 Science Park West		
Avenue, Hong Kong Science Park,		

Section 2 - Hazards Identification

GHS Classification:

New Territories, Hong Kong

N.A.

Date of prepared and revision

Signature of Prepare (optional)

Section 5 - Composition/information On ingredients				
Hazardous Components:	Hazardous Components:			
Description:	CAS Number	Approximate % of total weight		
Lithium Cobaltite (LiCoO2)	12190-7-3	20-40Wt%		

12 Apr 2023

Description:	CAS Number	Approximate % of total weight	
Lithium Cobaltite (LiCoO2)	12190-7-3	20-40Wt%	
Graphite	7782-42-5	10-30WT%	
Lithium salt	21324-40-3	1-3 WT%	
Poly (vinylidene diflouride) PVdF)	24937-79-9	0-5 WT%	

Section 4 - First Aid Measures

First Aid Procedures

If electrolyte leakage occurs and makes contact with skin, wash with plenty of water immediately.

If electrolyte comes into contact with eyes, wash with copious amounts of water for fifteen (15) minutes, and contact a physician.

If electrolyte vapors are inhaled, provide fresh air and seek medical attention if respiratory irritation develops. Ventilate the contaminated area.



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Section 5 – Fire-Fighting Measures				
Flash Point (Method Used)	Ignition Temp.	Flammable Limits	LEL	UEL
N.A.	N.A.	N.A.	N.A.	N.A.

Extinguishing Media

Carbon Dioxide, Dry Chemical or Foam extinguishers

Special Fire Fighting Procedures

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. Cool exterior of batteries if exposed to fire to prevent rupture.

Unusual Fire and Explosion Hazards

Do not dispose of battery in fire - may explode.

Do not short-circuit battery - may cause burns.

Battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature (>150°C), when damaged or abused (e.g. mechanical damage or electrical overcharging); may burn rapidly with flare-burning effect; may ignite other batteries in clothes proximity.



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Section 6 - Accidental Release Measures

Steps to Be Taken in Case Material is Released or Spilled

Batteries inside that are leakage should be handled with rubber gloves.

Avoid direct contact with electrolyte. Remove personnel from area until fumes dissipate. If the skin has come into contact with the electrolyte, it should be washed thoroughly with water.

Wear protective clothing and a positive pressure Self-Contained Breathing Apparatus (SCBA).

Sand or earth should be used to absorb any exuded material. Seal leaking battery and contaminated absorbent material in plastic bag and dispose of as Special Waste in accordance with local regulations.

Section 7 - Handling and Storage

Safe handling and storage advice

Batteries should be handled and stored carefully to avoid short circuits.

Do not store in disorderly fashion, or allow metal objects to be mixed with stored batteries.

Never disassemble a battery.

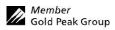
Do not breathe cell vapors or touch internal material with bare hands.

The cells and batteries shall not be stored in high temperature. Keep cells between -20°C and 35°C for prolong storage. When the cells are closed to fully charged, the storage temperature should be between -20°C and 30°C and should be controlled at 10-20°C during transportation and packed with efficient air ventilation. Otherwise the cells maybe leakage and can result in shortened service life.

Section 8– Exposure Controls / Person Protection				
Occupational l	Exposure Limits: LTEP	STEP		
	N.A.		N.A.	
Respiratory Pr	otection (Specify Type) N.A.			
Ventilation	Local Exhausts N.A.	Special	N.A.	
	Mechanical (General) N.A.	Other	N.A.	
Protective Glo	ves N.A.	Eye Protection	N.A.	
Other Protective Clothing or Equipment N.A.				
Work / Hygienic Practices N.A.				



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Section 9	- Physical / Che	mical Properties	
Boiling Point		Specific Gravity (H ₂ O=1)	
Vapor Pressu	N.A.	Melting Point	
v apor Piessu	N.A.	N.A.	
Vapor Densit	y (AIR=1) N.A.	Evaporation Rate (Butyl Acetate) N.A.	
Solubility in '	Water Insoluble		
Appearance a	and Odor	Shape, solid, multiple colours (depending on models), odorle	SS
Section 1	0 – Stability and	Reactivity	
Stability	Unstable	Conditions to Avoid	
	Stable	X	
Incompatibili	ty (Materials to Avoid)	Λ	
Hazardous De	ecomposition or Bypro	lucts	
Hazardous Polymerizati on	May Occur	Conditions to Avoid	
Oil	Will Not Occur	X	
Section 1	1 – Toxicologica	I Information	
Route(s) of E	ntry Inhalat	on? N.A. Skin? N.A. Ingestion	? N.A.
Health	n Hazard (Acute and Cl	ronic) / Toxiclogical information	
In case	e of electrolyte leakage,	skin will be itchy when contaminated with electrolyte.	
In con	tact with electrolyte car	cause severe irritation and chemical burns.	
Inhala	tion of electrolyte vapo	rs may cause irritation of the upper respiratory tract and lung	
Section 1	2 – Ecological In	formation	
		naterials remain in the environment, do not bury or throw ou	at into the environment.
Section 1	3 – Disposal Cor	siderations	
	•	werbank according to local government regulations.	
Section 1	4 – Transportatio	an Information	





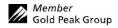
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All GP lithium ion Portable PowerBank comply to the necessary requirements under the UN Manual of Tests and Criteria as referenced in the following transportation regulations:

	in the following tr	ansportation regu	ılatıons:				
	er: UN3480						
UN Proper Shipping Name: Lithium ion batteries							
UN: The	1 0						
Shipping	Regulation	Packing	Limit of Wh	Transport	Environmental	Special	
mode		Group/Special		Hazard Class	Hazards	Precautions	
		Provision					
USA	US DOT		>20Wh(cell)	Dangerous	No marine	Lithium Battery	
		n 173-185	>100Wh(battery)	goods, Class 9	pollutant	Mark needed	
	Lithium batteries	and cells	<=20Wh(cell)	0	No marine	Lithium Battery	
			<=100Wh(battery)	goods	pollutant	Mark needed	
Air	ICAO/IATA	-	>20Wh (cell)	Dangerous	No marine	Lithium Batteries	
	DGR	PI965 Section	>100Wh (battery)	goods, Class 9	pollutant	DG Label, CAO	
	64th edition	IA		_		Label needed	
	2023	-	<=2.7 or			Lithium Battery	
		PI 965 Section	>2.7, <=20 Wh (Cell);			Mark, Lithium	
		IB	<=2.7 or			Batteries DG	
			>2.7, <=100Wh			Label, CAO label	
			(battery) (for that			needed	
			exceed allowance in				
			Section II)				
		-	<=2.7 or	Partially-	No marine	Lithium Battery	
		PI 965 Section	/ //	regulated	pollutant	Mark, CAO Label	
		II	<=2.7 or >2.7,	dangerous		needed.	
			<=100Wh	goods			
			(battery) (Only allow				
			one package prepared				
			per consignment)				
Sea	IMO/IMDG	P903	>20Wh(cell)	Dangerous	No marine	Lithium Battery	
	CODE 40-20	SP188	>100Wh(battery)	goods, Class 9	pollutant	Mark needed	
			<=20Wh(cell)	Non-dangerous		Lithium Battery	
			<=100Wh(battery)	goods	pollutant	Mark needed	
Road/Rail	ADR/RID	P903	>20Wh(cell)	Dangerous	No marine	Lithium Battery	
		P903a	>100Wh(battery)	goods, Class 9	pollutant	Mark needed	
		P903b	<=20Wh(cell)	Non-dangerous	No marine	Lithium Battery	
			<=100Wh(battery)	goods	pollutant	Mark needed	

a) In general, all batteries in all forms of transportation (ground, air, or ocean) must be packaged in a safe and responsible manner. Regulatory concerns from all agencies for safe packaging require that batteries be packaged in a manner that prevents short circuits and be contained in "strong outer packaging" that prevents spillage of contents. All original packaging for GP Lithium ion Powerbank (referred to as "Lithium ion battery") has been designed to be compliant with these regulatory concerns.

Rechargeable Lithium ion Powerbank(UN 3480), are forbidden for transportation aboard passenger-carrying aircraft. Such batteries transported in accordance with Section IA, IB & II of Packing Instruction 965 must be labeled with the CARGO AIRCRAFT ONLY label. Lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity.



Material Safety Data Sheet for GP Lithium ion Portable PowerBank (Lithium ion Battery (including lithium ion polymer batteries))

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b) International Maritime Organization (IMO) IMDG Code regulated these products as UN 3480, Lithium ion batteries, Class 9 dangerous goods with Special Provision 188 and Packing Instruction 903 assigned.

The watt-hour of the models can be referred to the appendix (Model list).

Transport of <u>Lithium ion batteries contained in equipment</u> or <u>Lithium ion batteries packed with equipment</u> have to follow the appropriate regulations for UN3481.

Section 15 - Regulatory Information

Special requirement be according to the local regulations.

Section 16 - Other Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein. However, the data is provided without any warranty; expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to assume liability on loss, injury, damage, or expense resulting from improper use of this product. We urge you to make this information available as appropriate in your organization and to any others with whom you arrange to handle this product.

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THE ENERGY FOR LITHIUM ION PORTABLE POWERBANK

Model	Energy (Wh)
GPXPB04	3.70Wh
GPXPB05	6.40Wh
GPXPB06	5.73Wh
GPXPB07	16.28Wh
GPXPB08	4.44Wh
GPXPB10	8.03Wh
GPXPB22	6.40Wh
GPXPB19	16.28Wh
GPXPB20	14.8Wh
GPXPB21	7.40Wh
GPXPB28	7.40Wh
GPXPB14	16.28Wh
GPXPB23	4.07Wh
GPXPB25	6.47Wh
GP541	16.28Wh
GP541A	15.54Wh
GP511	4.07Wh
GP511A	6.66Wh
GP512	6.48Wh
GP741	14.8Wh
GP761	22.2Wh
GP781	29.6Wh
GP701	37Wh
GL343	14.8Wh
GL351	19.24Wh
GL351A	20.72Wh
GL301	38.48Wh
GP341	14.8Wh
GP322	7.4Wh
GP322A	9.25Wh
GP321	7.4Wh
GP321A	9.62Wh

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GL321	7.4Wh	
GL321A	9.62Wh	
GL342	14.8Wh	
GL323	7.4Wh	
GP352	18.5Wh	
YG06	22.2Wh	
YK01	29.6Wh	
GP022	8.14Wh	
GP001	88.8Wh	
GP841	14.8Wh	
GP851	19.24Wh	
GP381	31.08Wh	
GP382	31.08Wh	
GP302	37Wh	
N304	38.48Wh	
MG21A	11.1Wh	
NP03	44.4Wh	
326P	9.62Wh	
344P	14.8Wh	
352PA	19.24Wh	
352PB	19.24Wh	
511PB	6.66Wh	
SN511PB	6.66Wh	
381CA	31.08Wh	
302C	44.4Wh	
GP241C	19.24Wh	
FN02M	9.62Wh	
FN03M	11.40Wh	
FN05M	19.24Wh	
FP05M & FP05M-A	18.5Wh	
FP10M & FP10M-A	37.0Wh	
FP10MB	37.0Wh	
GP50	33.3Wh	

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GP303	44.4Wh	
3C15A	57.72Wh	
3C20A	72Wh	
1C02A	9.36Wh	
1C05A	18.72Wh	
1C10A	39.52Wh	
RC02A	9.36Wh	
RC10A	37.44Wh	
1C10AA	39.52Wh	
CP05A	18.5Wh	
RC02AB	9.25Wh	
RC05AB	18.5Wh	
RP10AB	37Wh	
MP05MA	18.5Wh	
MP10MA	37Wh	
MP15MA	55.5Wh	
M10B	37Wh	
M20B	74Wh	
RC03AB	10.8Wh	
R05A	18.5Wh	
S05A	18Wh	
B02A	9Wh	
B05A	18Wh	
B07A	27Wh	
B10A	36Wh	
B20A	72Wh	
R10A	37Wh	
C05A	18.5Wh	
C10A	37Wh	
Q08A	29.6Wh	
Q10A	18Wh	
T20B	65Wh	