



Centre Testing International Group

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Report Number : A2220241800101003

Applicant: CHONGQING GENFU SOFTWARE DEVELOPMENT CO., LTD

Address: No.9 workshop, No.8 Xinhua road, Pulv Street, Tongliang District, Chongqing, China



Sample Name : LITHIUM BATTERY PACK 201107

Approved by Ao Lin
Ao Lin
Approved Signatory

Date Jun. 24, 2022

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

No. RB26A1D95A

Safety Data Sheet

According to Hazard Communication Standard (29 CFR 1910.1200)

LITHIUM BETTERY PACK 201107

Version 1.0

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1. Product and Company Identification

Material name	LITHIUM BETTERY PACK 201107
CAS #	See section 3
Product code	Not classified
Product use	Outdoor power supply.
Manufacturer/Supplier	
Supplier(Manufacturer):	Chongqing Genfu software development Co., Ltd
Address:	No.9 workshop, No.8 Xinhua road, Pulv Street, Tongliang District, Chongqing, China
Contact person(E-mail):	liuqingwei@cqlh.com.cn
Telephone:	+86-023-65200367
Fax:	-
Emergency telephone Number:	+86-18875103673

2. Hazards identification

GHS classification

Skin allergy (Category 1)

Carcinogenicity (Category 2)

Specific target organ System toxicity - Repeated exposure (Category 1)

GHS label elements

Hazard Pictograms



Signal word

Dangerous

Hazard statement

H317 may cause allergic skin reactions

H351 is suspected of causing cancer

H372 Prolonged or repeated exposure to damages organs

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Precautionary statement

Prevention:

- P203 Read and follow all safety instructions before use
- P260 Do not inhale dust/smoke/gas/smoke/steam/spray
- P264 thoroughly wash all exposed bodies after operation
- P270 Do not eat, drink or smoke while using this product
- P272 Contaminated work clothes shall not be taken out of the workplace
- P280 Wear protective gloves/clothing/eye mask/mask

Response:

- P302+P352 If skin is contaminated: Wash with plenty of soap and running water
- P333+P317 If skin irritation or rash occurs: Seek medical help
- P362+P364 Remove contaminated clothing and wash before reuse

Storage P405 Storage must be locked

Disposal P501 Dispose of contents/containers in accordance with local/regional/national/international regulations

3. Composition / Information on Ingredients

Components	CAS#	Percent(%)
Lithium transition metal oxide	182442-95-1	27.17
Carbon (graphite)	7782-42-5	15.63
Aluminum	7429-90-5	13.36
Copper	7440-50-8	9.19
Iron	7439-89-6	12.94
Ethylene carbonate	96-49-1	4.44
Ethyl Methyl Carbonate	623-53-0	1.83
Dimethyl carbonate	616-38-6	1.29
Lithium hexafluorophosphate	21324-40-3	0.76
Polycarbonate/acrylonitrile-butadiene-styrene copolymers and mixtures	25971-63-5	13.11
NBR	68891-50-9	0.27

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4. First Aid Measures

First aid procedures

Eye contact	Remove contact lenses at once. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention.
Skin contact	If contact with molten product occurs, treat as thermal burn. Do not try to peel molten polymer from the skin. Get medical attention promptly.
Inhalation	Not likely to be inhaled due to physical form. For processing fume inhalation irritation, leave contaminated area and breathe fresh air. If coughing, difficult breathing or any other symptoms developing. Get medical attention.
Ingestion	Not a likely route of exposure. If person is conscious, give large amounts of water to drink, induce vomiting. Get medical attention.
Notes to physician	Treat symptoms.

5. Fire Fighting Measure

Flammable properties Flammable

Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : Not available.

Firefighting equipment/instructions: Use water spray to cool unopened containers. Wear self contained breathing apparatus for firefighting if necessary.

Hazardous combustion products: Combustion products may include intense heat and high levels of black smoke containing carbon monoxide, carbon dioxide. Formation of traces of aliphatic and aromatic hydrocarbons, aldehyde, acids, phenol and phenol derivatives may occur.

6. Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of dust accumulating to form explosive concentrations. Dust can accumulate in low areas.

Environmental precautions: Should not be released into the environment. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Sweep up and shovel. Keep in suitable, closed containers for disposal.

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7. Handling and Storage**Handling:** Avoid contact with skin and eyes. Avoid inhalation of dust. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**8. Exposure Controls / Personal Protection****VENTILATION :**

A continuous supply of fresh air to the workplace together with removal processing fumes through exhaust systems is recommended. Processing fumes may contain small amounts of carbon dioxide, diphenyl-carbonate, phenol and substituted phenols. Ventilation requirements must be locally determined to limit.

9. Physical & Chemical Properties**Appearance**

Physical state	Solid
Form	Solid
Color	Yellow, Black
Odor	Odorless
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Vapor density	Not available
Softening Point	Not available
Boiling point	Not available
Melting point/Freezing point	Not available
Solubility (water)	Insoluble
Specific gravity	Not available
Density	Not available
Flash point	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Auto-ignition temperature	Not available

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VOC Not available

Percent volatile Not available

Explosive Not available

Flammability Not available

Other data

Viscosity Not available

10. Chemical Stability & Reactivity Information**Chemical stability:** Material is stable under normal conditions.**Conditions to avoid** Incompatible materials.**Incompatible materials** Strong oxidizing agents.**Hazardous decomposition products** Carbon oxides.**Possibility of hazardous reactions** No dangerous reactions known.**11. Toxicological Information****Toxicokinetics, metabolism and distribution:****Non-human toxicological data:** Not available**Information on toxicological effects:****Acute toxicity:** Iron LD50:7500mg/kg (Through the mouth of rats)**Skin corrosion/Irritation:** Not classified**Serious eye damage/irritation:** Not classified**Respiratory or skin sensitization:** May cause allergy or asthma symptoms or breathing difficulties if inhaled**Germ cell mutagenicity:** Not classified**Carcinogenicity:** Not classified**Reproductive toxicity:** Not classified**STOT- single exposure:** Not classified**STOT-repeated exposure:** Not classified**Aspiration hazard:** Not classified**12. Ecological Information****Toxicity:** Not available.

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Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	Harmful to aquatic life with long lasting effects

13. Disposal Considerations

Disposal instructions: Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number	UN 3480
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	II
Environmental hazards	No

IATA

UN number	UN 3480
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	II
Environmental hazards	No

IMDG

UN number	UN 3480
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	II
Environmental hazards	No

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15. Regulatory Information

This product complies with the Chemical Substance Inventory requirements of the U.S.A. EPA Toxic Substance Control Act (TSCA).

16. Other Information

HMIS@ratings	Health:0 Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 0 Instability: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. The information of section 3 and section 9 is provided by: Chongqing Genfu software development Co., Ltd. Other information is from authoritative database and expert assessment (010-125926).
Issue date	22-6-2022

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