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Material Safety Data Sheet

Sample Name: Lithium ion batteries

Applicant: iStore(Qld)Pty Ltd.



提取码: 638791
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广州海关技术中心

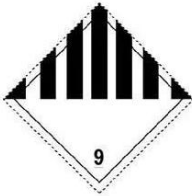
GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER

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Material Safety Data Sheet

1. Chemical product and company identification	
Sample Name	Lithium ion batteries
System Level Model	IS-BATT-7000-S1/ IS-BATT-14000-S1/ IS-BATT-21000-S1
Applicant	iStore(Qld)Pty Ltd.
Applicant Address	10 Milly Court Malaga Western Australia 6090 Australia
Manufacturer	iStore(Qld)Pty Ltd.
Manufacturer Address	10 Milly Court Malaga Western Australia 6090 Australia
Factory	Zhongshan BYD Electronics Co., Ltd, Huizhou Desay Battery Co., Ltd, Huawei Machine Co., Ltd, Huizhou Sunwoda Energy Technology Co.,Ltd. Shenzhen BYD Electronics Co., Ltd.
Factory Address	Shenzhen BYD Electronics Co., Ltd. Room 301 of BYD A-4 Building, No.1 Yan'an Road, Kuichong Street, Dapeng New District Shenzhen 518119 Guangdong P.R. China Huizhou Desay Battery Co., Ltd No.12, Guangtai Road, Huinan High-tech Industrial Park, Huizhou City, Guangdong P.R. China Huawei Machine Co., Ltd. No. 2 New City Avenue Song Shan Hu Science & Technology Industrial Park Dongguan, Guangdong 523808 P.R. China Huizhou Sunwoda Energy Technology Co.,Ltd. "Jiweidu" (Tuming Section), Zhenxing Street, Lixi Economic Union, Yuanzhou Town, Boluo County, Huizhou City, 516123 Guangdong P.R. China Zhongshan BYD Electronics Co.,Ltd No.18 Langyuan Road,Jieyuan Xingzheng Village,Minzhong Town, Zhongshan 528441 Guangdong P.R. China
Emergency telephone call	1300 851 985 (option 2) 08 9550 1585 (option 2)
E-mail	support@istore.net.au
2. Hazards identification	
Hazard label	 No. 9A hazard label Dangerous Goods  Class 9- Miscellaneous

Explosive risk	This article does not belong to the explosion dangerous goods.
Flammable risk	This article does not belong to the flammable material.
Oxidation risk	This article does not belong to the oxidation of dangerous goods.
Toxic risk	This article does not belong to the toxic dangerous goods.
Radioactive risk	This article does not belong to the radiation of dangerous goods.
Mordant risk	This article does not belong to the corrosion of dangerous goods.
other risk	Battery which belong to the Lithium-ion battery.

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3. Composition information			
Hazardous components	Content / %	CAS NO.	Remark
Lithium iron phosphate	36-39	15365-14-7	--
Carbon black	0.2-0.4	1333-86-4	--
Copper	6-7	7440-50-8	--
Graphite	16-19	7782-42-5	--
Aluminum	13-14	7429-90-5	--
Ethylene carbonate	8-10	96-49-1	--
EthylMethyl Carbonate	10-12	623-53-0	--
Lithium-hexafluorophosphate	2-3	21324-40-3	--
polyvinylidene fluoride	0.7-1.1	24937-79-9	--
Polyethylene	2-3	9002-88-4	--
Lead	Not Detected	7439-92-1	--
Cadmium	Not Detected	7440-43-9	--
Mercury	Not Detected	7439-97-6	--
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 Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician			

5. Fire-fighting measures

Flash Point: N/A.
Auto-Ignition Temperature: N/A.
Extinguishing Media: Water, CO2.
Special Fire-Fighting Procedures: Self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Cell may vent when subjected to excessive heat-exposing battery contents.
Hazardous Combustion Products: Carbon monoxide, carbon dioxide, lithium oxide fumes.

6. Accidental release measures

Steps to be Taken in case Material is Released or Spilled
If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth, and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the battery to cool and vapors to dissipate. Avoid skin and eye contact or inhalation of vapors.

Waste Disposal Method
It is recommended to discharge the battery to the end, to use up the metal lithium inside the battery, immerse in salt water, and then give it to a professional recycling company for processing; or handle in accordance with local regulations.

7. Handling and storage

The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container. Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire. Do not crush or puncture the battery, or immerse in liquids.

Precautions to be taken in handling and storing

Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.

Other Precautions

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.

8. Exposure controls/personal protection

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.

Ventilation

Not necessary under conditions of normal use.

Protective Gloves

Not necessary under conditions of normal use.

Other Protective Clothing or Equipment

Not necessary under conditions of normal use. Personal Protection is recommended for venting battery Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.

9. Physical and chemical properties

Appearance: Quadrate shape

Odors: If leaking, smells of medical ether.

pH: Not applicable as supplied.

Flash Point: 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.

10. Stability and reactivity

Stability: Product is stable under conditions described in Section 7.

Conditions to Avoid: Heat above 70°C or incinerate. Deform. Mutilate. Crush. Disassemble. Overcharge. Short circuit.

Expose over a long period to humid conditions.

Materials to avoid: Oxidising agents, alkalis, water.

Hazardous Decomposition Products: Toxic Fumes, and may form peroxides.

Hazardous Polymerization: N/A.

If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalies, halogenated Hydrocarbons.

11. Toxicological information

Signs & symptoms: None, unless battery ruptures.

In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

Inhalation: Lung irritant.

Skin contact: Skin irritant.

Eye contact: Eye irritant

Ingestion: Poisoning if swallowed.

Medical conditions generally aggravated by exposure: In the event of exposure to internal contents, moderate to server irritation, burning and dryness of the skin may occur, Target Organs nerves, liver and kidneys.

12. Ecological information

Mammalian effects: None known at present.

Eco-toxicity: None known at present.

Bioaccumulation potential: Slowly Bio-degradable.

Environmental fate: None known environmental hazards at present.

13. Disposal
Do not incinerate, or subject cells to temperature in excess of 70°C, Such abuse can result in loss of seal leakage, and/or cell explosion. Dispose of in accordance with appropriate local regulations.

14. Transport information
Batteries are transported separately: Label for conveyance: No.9A hazard label hazard label UN Number: UN 3480 Proper Shipping name: Lithium ion batteries IMDG Code/TDG Packing Instruction: P903 IMDG Code/TDG Special provisions: 230, 310, 348, 376, 377, 384, 387 EmS No: F-A, S-I Marine pollutant: No Hazard Classification: The goods shall be complied with the Packing Instructions TDG 24th Edition and the Packing Instructions P903 of IMDG Code (Amdt.42-24), including the passing of the UN38.3 test. Batteries contained in equipment: Label for conveyance: No.9A hazard label UN Number: UN 3481 Proper Shipping name: Lithium ion batteries contained in equipment IMDG Code/TDG Special provisions: 230 310 348 376 377 384 387 IMDG Code/TDG Packing Instruction: P903 EmS No: F-A, S-I Marine pollutant: No Hazard Classification: The goods shall be complied with the requirements of the Packing Instructions TDG 24th Edition and the Packing Instructions P903 of IMDG Code (Amdt.42-24), including the passing of the UN38.3 test.

Batteries INSTALLED IN CARGO TRANSPORT UNIT: Label for conveyance: Class 9- Miscellaneous Dangerous Goods UN Number: UN 3536 Proper Shipping name: LITHIUM BATTERIES INSTALLED IN CARGO TRANSPORT UNIT IMDG Code/TDG Special provisions: 389 EmS No: F-A, S-I Marine pollutant: No Hazard Classification: The goods shall be complied with the passing of the UN38.3 test. Remark Each cargo transport unit shall be placarded on two opposite sides with Class 9 hazard label. Each cargo transport unit shall display the UN number and next to the proper shipping name.
15. Regulation information The laws and regulations applicable to the transportation of lithium batteries are as follows: The UN Model Regulations, United Nations ST/SG/AC.10/1/Rev 24. Recommendations on the Safe Transport of Dangerous Goods The International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air Transport The International Air Transport Association (IATA) Dangerous Goods Regulations (67th Edition 2026) International Maritime Organization (IMO) International Maritime Dangerous Goods Code (IMDG Code)(Amdt.42-24) Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2025) JT/T 617-2018 Regulations concerning road transportation of dangerous goods
16.Other information This file is only effective for the individual battery model: IS-BATT-7000-ES provided by commissioner which is Manufactured by Zhongshan BYD Electronics Co., Ltd, Huizhou Desay Battery Co., Ltd, Huawei Machine Co., Ltd, Huizhou Sunwoda Energy Technology Co.,Ltd. Shenzhen BYD Electronics Co., Ltd. The commissioner provides the composition information of batteries, and promises its integrity and accuracy. Users should read this file carefully, and use the batteries in correct method. Guangzhou Customs District Technology Centre doesn't assume responsibility for any damage or loss because of misuse of batteries.
END OF REPORT