No. DGMSZ25M30SD005

Experts in international rules and regulations governing training, packaging, storage and transport of dangerous goods

Dangerous Goods Management (China) Ltd.

Safety Data Sheet

Product name: Lithium-ion battery XK 651836

Applicant: DongGuan APTPES CO., LTD

Safety Data Sheet

Section 1. Identification of the product and the company

Product name: Lithium-ion battery XK 651836 Trade mark: /

Model: XK 651836 3.8 V 430 mAh 1.634 Wh

Manufacturer: DongGuan APTPES CO., LTD



Company name:	DongGuan APTPES CO., LTD
Address:	Building 2, No. 7 First Street, Daxi First Road, Qiaotou Town, Dongguan City, Guangdong Province
Email address:	sun@hugnen.com
Fax:	+86-755-23420686
Emergency telephone number:	+86-755-23420683

Section 2. Summary of hazards

Hazard type: (See Section 14)

Routes of exposure: Eyes, skin contact, ingestion

Health hazards: Lithium-ion batteries are not hazardous when used under normal conditions in accordance with the manufacturer's instructions. If used improperly, there is a risk of bursting, fire, heat and leakage of internal components, which may result in accidental damage. Improper use includes, amongst other things: prolonged charging, short-circuiting, burning, striking with a hard object, piercing with a sharp object, crushing and breaking.

Environmental risk: None known

Fire and explosion hazard: High temperatures or short circuits may cause fires or explosions.

Section 3. Composition/information on ingredients

Pure chemical substance: ☐

Mixture ☑

Chemical constituents:

Chemical name	Percentage (approx.)	CAS No.
Lithium cobalt oxide	49.5	12190-79-3
Graphite	16.3	7782-42-5
Copper	6.96	7440-50-8
Aluminium	7.6	7429-90-5
Lithium hexafluorophosphate	10.96	21324-40-3
Nickel	0.06	7440-02-0
Polyvinylidene fluoride	0.33	24937-79-9
Carboxymethylcellulose	0.28	9000-11-7
Styrene-butadiene rubber	0.05	9003-55-8

Polyethylene	4.03	9002-88-4
Nylon	3.93	24937-16-4
Total	100	/

Section 4. First-aid measures

Under normal circumstances, lithium-ion batteries are not hazardous if they come into contact with the eyes or skin. If a hazardous substance leaks and comes into contact with any part of the body, the following measures should be taken:

Skin: In the event of contact, wash the skin immediately with soap and plenty of water.

Eyes: In the event of contact, rinse the eyes with clean water for 15 minutes, keeping the eyelids open. Seek medical attention.

Inhalation: Move the affected person to fresh air. If breathing has stopped, perform artificial respiration. Administer oxygen if breathing is difficult.

Ingestion: If swallowed, rinse the mouth with water, provided the person is conscious. Call a doctor.

Section 5. Fire-fighting measures

Hazard type: Toxic fumes. Gases or fumes may be released during combustion.

Hazardous combustion products: CO, CO_2, HF, phosphorus fluoride.

Fire-fighting methods and extinguishing agents: Large quantities of cold water are an effective extinguishing agent for lithium batteries. Do not use warm or hot water. Do not use Halon extinguishing agents. Dry powder, sand and earth may also be used.

Note for firefighting: Firefighters must wear gas masks and full protective clothing (firefighting suits).

Section 6. Accidental release measures

If batteries leak, the liquid can be absorbed using sand, earth or other inert materials. The contaminated area should be ventilated in the meantime.

Damaged batteries that are not hot or burning should be stored in a sealed plastic bag or container.

Section 7. Handling and storage

Handling: Ensure that the terminals cannot be short-circuited. **Storage:** Store and use the battery well away from heat, sparks, open flames or other sources of heat, and at room temperature (< 30 °C) in a well-ventilated and dry environment.

Section 8. Exposure controls and personal protection

Maximum permissible concentration: No standard value available

Engineering controls: No engineering controls are required when handling undamaged batteries. Personal protective equipment for damaged batteries should include chemical-resistant gloves and safety goggles.

Section 9. Physical and chemical properties

Rated capacity: 430 mAh

Watt-hours: 1.634 Wh

Dimensions: 36 x 18 x 6.5 mm

Appearance: Approximately rectangular, silver in colour

Section 10. Stability and reactivity

Stability: The product is stable at normal temperatures and pressures.

Incompatibility: Oxidising agents

Conditions to avoid: Heat and open flames, short circuits, water

Hazardous polymerisation: Does not occur.

Decomposition products: CO, CO_2, HF, phosphorus fluoride

Section 11. Toxicological information

This product does not exhibit any toxicological properties under routine handling and use.

Section 12. Environmental information

Ecological toxicity: –

Biodegradability: – **Non-**

biodegradability: –

Other hazards: No demonstrable effects on the environment.

Section 13. Disposal

Waste recovery: Recycle or dispose of the product in accordance with national and local regulations.

Guidance on waste recovery: Damaged batteries are not ordinary waste. They must not be incinerated or exposed to high temperatures. They must not be dismantled, pierced, crushed or subjected to similar treatment. Recycling is recommended.

Section 14. Transport Information

UN No.: UN3480, UN3481

Proper Shipping Name (PSN):

UN3480 Lithium-ion batteries

UN3481 Lithium-ion batteries, contained in equipment

UN3481 Lithium-ion batteries, packed with equipment

Packing group (PG): / Hazard label(s):

Class 9 – Lithium batteries or sodium-ion batteries

Cargo IMP code: RBI, RBM, RLI and RLM



ICAO/ IATA	May be shipped by air in accordance with the International Civil Aviation Organisation (ICAO), TI or the International Air Transport Association (IATA), DGR packing instructions PI966 and PI967, Section II, in accordance with IATA DGR 67th edition for transport	DGR 67th edition
IMDG Code	Regulations for the carriage of dangerous goods by sea under Special Provision 188 (International Maritime Dangerous Goods Code)	IMDG CODE (Appendix 42-24)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road under Special Provision 188	ADR 2025
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail under Special Provision 188	RID 2025
The product may be shipped without being declared as Class 9 dangerous goods provided it meets the above requirements.		

In accordance with the dangerous goods regulations, each battery must undergo the tests set out in Section 38.3 of the UN Manual of Tests and Criteria in order to be approved for transport. Report No.: S03A25080901U00101.

Section 15. Regulatory Information

Regulatory information: Recommendations on the Transport of Dangerous Goods, UN Model Regulations (24th edition), IATA Dangerous Goods Regulations (67th edition), International Maritime Dangerous Goods Code (42-24), Convention on the International Carriage of Dangerous Goods by Road (2025), Regulations concerning the International Carriage of Dangerous Goods by Rail (2025)

Section 16. Other Information

Reference: National Standard of the People's Republic of China. (GB/T 16483-2008) Safety Data Sheet for Chemical Products – Content and Order of Sections, National Standard of the People's Republic of China. (GB/T 17519-2013) Guidelines for the Preparation of Safety Data Sheets for Chemical Products

Date of issue of the Safety Data Sheet: 31 December 2025 Version: 1.0



We assume that the above details are correct. They correspond to the information currently available to us. However, we do not provide any warranty as to the merchantability or any other express or implied warranty in relation to this information. Nor do we accept any liability for its use. Users must verify for themselves whether the product is suitable for their purposes. The company shall not be liable in any way for claims, losses or damages suffered by third parties, or for loss of profit, or for any special, indirect, incidental, exemplary or consequential damages, however arising, even if the company has been advised of the possibility of such damages.