

TI - Education Technology

Material Safety Data Sheet

TI Lithium-Ion Battery Pack Model 3.7L1060SP

1. Product and Company Identification

Product Description	Lithium-Ion Rechargeable Battery Pack	
Product Identification	Model: 3.7L1060SP	
Company Name/Address	Mail: Texas Instruments Incorporated P.O. Box 660199 Dallas, TX 75266-0199 Overnight delivery/Corporate Offices: Texas Instruments Incorporated 12500 TI Boulevard Dallas, TX 75243	TEL: +1-800-842-2737
Manufacturer Name / Address	GETAC Technology (Kunshan) Co., LTD. NO.269, 2 nd Road, Export Processing Zone, Changjiang South Road, Kunshan, Jiangsu, P.R.C 215300	TEL: +86-512-573-6777

2. Manufacturer's MSDS



Materiel Safety Data Sheet

No. 10302010001

1. Products and Company Identification

Product Identification:

IAC Nspire 3.0 Lithium-Ion Rechargeable Battery Pack / **1S1P**

GETAC P/N: **541383800002**

Customer P/N: **6027A0120001**

Manufacturer:

GETAC TECHNOLOGY (KUNSHAN) CO., LTD.

NO.269, 2nd Road, Export Processing Zone, Changjiang South Road, Kunshan,
Jiangsu, P.R.C

Post Code: 215300

TEL: +86-512-57367777

2. Substance Identification

Substance: Lithium Ion Battery

CAS number: Not specified

UN Class: Even classified as lithium batteries, they are exempted from dangerous goods. UN-Recommendations on the Transport of Dangerous Goods Model Regulations.

(ST/SG/AC.10/11/Rev. 4)

**Lithium ion rechargeable cells are not subject to the UN Regulations if they meet the following provisions.

The equivalent Lithium content calculated by 0.3 times of the rated capacity in Ampere-hour (Ah) is not more than 1.5g. (1)

**Lithium ion rechargeable batteries are not subject to the UN Regulations if they meet the following provisions.

The equivalent Lithium content is not more than 8g. (1)

Composition:

2-1.Cases: PC Not dangerous

2-2. Printed Circuit Board Assembly Not dangerous

2-3. Lithium Ion Cell: Lithium

Cobalt Oxide Graphite

Mixture of Fluorinated Inorganic

Mixture of Organic Carbonate

3. Hazards Identification

Primary routes of entry: Skin contact, Skin absorption; Eye contact, Inhalation.

And ingestion: No

Symptoms of exposure: Skin contact, No effect under routine handling and use. Skin absorption: No effect under routine handling and use.

Eye contact: No effect under routine handling and use.

Inhalation: No effect under routine handling and use.

Reported as carcinogen: Not applicable

4. First Aid Measures

Ingestion: If swallowed, Obtain medical attention immediately.

Inhalation: Leave area immediately and seek medical attention.

Eye Contact: Rinse eyes with water for 15 minutes and seek medical attention

Skin Contact: Wash area thoroughly with soap and water and seek medical attention.

Ingestion: Drink milk/water and induce vomiting; seek medical attention

IF EXPOSURE TO INTERNAL MATERIALS WITHIN CELL DUE TO DAMAGED OUTER CASING, THE FOLLOWING ACTIONS ARE RECOMMENDED

5. Fire Fighting Measures

Extinguishing Media: Use suitable extinguishing media.

Firefighting Equipment: Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

6. Accidental Release Measures

On Land: Place material into suitable containers and call local fire/police department.

In Water: If possible, Remove from water and call local fire/police department.

7. Handling and Storage

Handling: No special protective clothing required for handling individual pack.

Storage: Store in a cool, dry place.

8. Exposure Controls / Personal Protection

Engineering Controls: Keep away from heat and open flame. Store in a cool dry place

Personal Protection:

Respirator: Not required during normal operations. SCBA required in the event of a fire. Eye/Face Protection: Not required beyond safety practices of employer.

Gloves: Not required for handling of battery.

Foot Protection: Steel toed shoes recommended for large container handling.

9. Physical and Chemical Properties

State Solid

Odor N/A

PH N/A

Vapor pressure N/A

Vapor density N/A

Boiling point N/A

Solubility in water Insoluble

Specific gravity N/A

Density N/A

10. Stability and Reactivity

Reactivity: None

Incompatibilities: None during normal operation. Avoid exposure to heat, open flame, and corrosives.

Conditions to Avoid: Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

11. Toxicological Information

This product does not elicit toxicological properties during routine handling and use.

12. ECOLOGICAL INFORMATION

- Persistence/degradability :

Since a battery pack and the internal materials remain in the environment, do not bury or throw out into the environment.

13. DISPOSAL CONSIDERATIONS

- Recommended methods for safe and environmentally preferred disposal :

Product (waste from residues)

Do not throw out a used battery pack. Recycle it through the recycling company.

Contaminated packaging

Neither a container nor packing is contaminated during normal use. When internal



materials leaked from a battery pack contaminates, dispose as industrial wastes subject to special control.

14. TRANSPORT INFORMATION

Lithium ion batteries containing no more than 1.5g/cell and 8g/battery pack of lithium can be treated as "Non-dangerous goods" under the United Nations Recommendations on the Transport of Dangerous Goods, Special Provision 188, provided that packaging is strong and prevent the products from short-circuit. With regard to air transport, the following regulations are cited and considered:

- The International Civil Aviation Organization (ICAO) Technical Instructions (2003-2004 Edition),
- The International Air Transport Association (IATA) Dangerous Goods Regulations (51th Edition, Special Provisions A88, A99 & PI965-PI970)
- The International Maritime Dangerous Goods (IMDG) Code (2002 Edition),
- The US Hazardous Materials Regulation (HMR) pursuant to a final rule issued by RSPA (Part 49 CFR Sections 100-185),
- The Office of Hazardous Materials Safety within the US Department of Transportation's (DOT) Research and Special Programs Administration (RSPA), and
- The UN Recommendations on the Transport of Dangerous Goods Model Regulations and the Manual of Tests and Criteria.

Our products are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to all the applicable international and national governmental regulations, not limited to the above mentioned. We further certify that the enclosed products have been tested and fulfilled the requirements and conditions in accordance with UN Recommendations (T1 - T8) on the Transport of Dangerous Goods Model Regulations and the Manual of Testes and Criteria that can be treated as "Non-Dangerous Goods".

15. Regulatory Information

OSHA Hazard communication standard (29 CFR 1910.1200)
Hazardous V Non-hazardous

16. Other Information

The information contained in this Safety data sheet is based on the present state of knowledge and current legislation.

This safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Reference



Chemical substances information: Japan Advanced Information center of Safety and Health International Chemical Safety Cards (ICSCs): International Occupational Safety and Health Information Centre (CIS) 1999 TLVs and BEIs: American Conference of Governmental Industrial Hygienists (ACGIH)
Dangerous Goods Regulations – 51th Edition Effective 1 January 2009: International Air Transport Association (IATA)
Regulations specifically applicable to the product: IATA UN No. 3090 (air transportation)
US Department of Transportation 51 code of Federal Regulations
[USA] Wastes Disposal and Public Cleaning Law [Japan]
Law for Promotion of Effective Utilization of resources [Japan]
Lithium Batteries UN 38.3(UNDOT) Certification