Boston-Power Product Information Sheet

Battery Part Number: 2EXL7461, 2EXL7462, 2EXL7488, 2EXL7431, 2EXL7492, 2EXL7493
Product Identification: Lithium-Ion Rechargeable Batteries
Cell Trade Name: Sonata® 5300 and Swing® 5300
Chemical System: Lithium ion
Manufacturer:

US Operations	China Operations	Taiwan Operations
Boston-Power®, Inc. 2200 West Park Drive, Suite 320 Westborough, MA 01581-3961, USA Phone: +1.508.366.0885 www.boston-power.com	Boston-Power Battery (Jiangsu) Co., Ltd. 3F Building E, No. 168 Wushen Road, Liyang Economic Development Zone, Liyang 213300 Jiangsu, China Phone: +86.519.8098.7688 www.boston-power.com.cn	Boston-Power Battery (Taiwan) Co., Ltd. NO. 211, SEC.2, CHUNG CHENG RD., HUKOU, HSINCHU, 30343 TAIWAN, R.O.C. Phone: +886.3.5907677 www.boston-power.com

Boston-Power batteries are defined as "articles" and are exempt from requirements of the Hazard Communication Standard; hence an SDS is not a requirement. This Product Information Sheet is provided as a service to our customers and vendors.

SDS:

Safety Data Sheets ("SDS") are a sub-requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR Subpart 1910.1200. This Hazard Communication Standard does not apply to various subcategories including anything defined by OSHA as an "article."

Composition:

The batteries are sealed products which contain the following chemicals. This information is provided for the user's information only.

Chemical Ingredients	Weight %	CAS Number
Complex Lithium Nickel Oxide	20-50	Similar chemical properties to 113066-89-0; 34631797-8; 193214-24-3
Polyvinylidene Fluoride (PVDF)	<5	24937-79-9
Graphite	10-30	7782-42-5
Organic Electrolyte Solvent – Proprietary Similar chemical properties to Ethylene Carbonate	10-20	Similar chemical properties to 96-49-1
Electrolyte Salt – Lithium Hexafluorophosphate	1-3	21324-40-3
Aluminum, Nickel, Copper and inert materials	Remainder	N/A

Disposal:
California regulated debris RCRA Waste Code: Non-regulated - Dispose of according to all federal, state and local regulations.

Transportation:
Boston-Power Sonata 5300 and Swing 5300 lithium-ion cells are ≤ 20 Wh and are not subject to the other requirements of the US Department of Transportation (DOT) Subchapter C, Hazardous Materials Regulations if shipped in compliance with 49 CFR 173.185.

Effective January 1, 2015, Swing 5300 and Sonata 5300 lithium ion cells can be shipped by air in accordance with International Civil Aviation Organization (ICAO) 2015-2016 edition, Section II or Section 1B or International Air Transport Association (IATA), 56th edition, Section II or 1B, Packing Instructions (PI) 965 (Batteries), PI 966 (Batteries, packed with equipment) and PI 967 (Batteries, contained in equipment) as appropriate depending on quantity and net weight.

Swing 5300 and Sonata 5300 are regulated by the International Maritime Organization (IMO), 2014 edition, 37th Amendment 37-14, under Special Provisions 188 and 230.

Swing 5300 and Sonata 5300 lithium-ion cells are tested and comply with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3. If you build our lithium-ion cells into a battery pack, you must also assure that they are tested in accordance with the UN Model Regulations, Manual of Test and Criteria. Part III, subsection 38.3, 5th revised edition, Amendment 1. Contact your local country authority if you plan to transport any untested prototype battery packs containing Swing 5300 or Sonata 5300 cells.

Transportation Emergency Contact: CHEMTREC, 1-800-424-9300 / CCN#: 226974

First Aid:
If the cell container is breached the following actions are recommended:
Eye contact: Check for and remove any contact lenses. Rinse eyes with water or normal saline for at least 15 minutes and seek medical attention.
Skin contact: Remove contaminated clothes and shoes. Wash area thoroughly with soap and water and seek medical attention.
Ingestion: Immediately contact local poison control or the National Capital Poison Center at 1-800-222-1222.

General Handling Recommendations:

CAUTION: Risk of fire, explosion and burns. Do not short-circuit, crush, incinerate or disassemble battery.

Fire Fighting Measures
In case of fire, you can use dry chemical, alcohol resistant foam or carbon dioxide fire extinguishers. Cooling the exterior of the batteries with water will help prevent rupturing. Burning of these batteries will generate toxic fumes. Fire fighters should use self-contained breathing apparatus. Detailed information on fighting a lithium-ion battery fire can be found in Guide 147 (Lithium Ion Batteries) of the US DOT Emergency Response Guide.