SAFETY DATA SHEET
[ For Rechargeable Batteries ]

Section I – Product and Company Identification

Important Note: As a solid, manufactured article, exposure to hazardous ingredients is not expected with normal use. This battery is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard requirement. The information contained in this Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

COMMERCIAL PRODUCT NAME
LI202SX-6600

USE OF THE SUBSTANCE/PREPARATION
Li-ion Rechargeable Battery Pack

MANUFACTURER
Enertech International, Inc.

Address
269, Chungjuhosu-ro, Chungju-city, Chungbuk, Korea

COMPANY/UNDERTAKING IDENTIFICATION
Emergency Contact
Telephone No.: 82-2-3457-8655 Fax No.: 82-2-564-3566
Homepage: www.enertechint.com

FURTHER INFORMATION
- Nominal Voltage: 10.8V
- Nominal Capacity: 6,600mAh
- Li-ion Cell Configuration: 3S-3P
- Watt-hour Rating: 71.28Wh (100Wh Under)
- Additional Information of Li-ion Cell
  - Li-ion Cell Anode (negative electrode): based on intercalation graphite
  - Li-ion Cell Cathode (positive electrode): based on lithiated metal oxide (Cobalt, Nickel, Manganese)

Remark:
The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. Enertech International, Inc. makes no warranty, expressed or implied, with respect to this information and disclaims all liabilities from reliance on it.

Section II – Hazards Identification

ROUTE(S) OF ENTRY
There is no hazard when the measures for handling and storage are followed.

SIGNS AND SYMPTOMS OF EXPOSURE
In case of batteries(& cells) damage, possible release of dangerous substances and a flammable gas mixture.

OSHA Hazard Communication: This material is not considered hazardous by the OSHA Hazard
SPECIAL HAZARDS FOR HUMAN HEALTH AND ENVIRONMENT
There is no hazard when the measures for handling and storage are followed.
In case of batteries(& cells) damage, possible release of dangerous substances and a flammable gas mixture.

Section III – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>%</th>
<th>CAS NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt oxide</td>
<td>&lt; 30 %</td>
<td>1307-96-6</td>
</tr>
<tr>
<td>Manganese dioxide</td>
<td>&lt; 30 %</td>
<td>1313-13-9</td>
</tr>
<tr>
<td>Nickel oxide</td>
<td>&lt; 30 %</td>
<td>1313-99-1</td>
</tr>
<tr>
<td>Carbon</td>
<td>&lt; 30 %</td>
<td>7440-44-0</td>
</tr>
<tr>
<td>Electrolyte</td>
<td>&lt; 20 %</td>
<td>-</td>
</tr>
<tr>
<td>Polyvinylidene fluoride (PVdF)</td>
<td>&lt; 10 %</td>
<td>24937-79-9</td>
</tr>
<tr>
<td>Aluminium foil</td>
<td>2 - 10 %</td>
<td>7429-90-5</td>
</tr>
<tr>
<td>Copper foil</td>
<td>2 - 10 %</td>
<td>7440-50-8</td>
</tr>
<tr>
<td>Aluminium and inert materials</td>
<td>5 - 10 %</td>
<td>-</td>
</tr>
</tbody>
</table>

The balance of the battery is steel, nickel and inert materials.

Section IV – FIRST AID MEASURES

GENERAL INFORMATION
The following first aid measures are required only in case of exposure to interior battery components after damage of the external battery casing.
Undamaged, closed batteries(& cells) do not represent a danger to the health.

After inhalation
Ensure of fresh air. Consult a physician.

After contact with skin
In case of contact with skin wash off immediately with plenty of water. Consult a physician.

After contact with eyes
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.

After ingestion
Drink plenty of water.
Call a physician immediately.

Section V – FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Cold water and dry powder in large amount are applicable.
Use metal fire extinction powder or dry sand if only few batteries(& cells) are involved.

Special hazards arising from the chemical
May form hydrofluoric acid if electrolyte comes into contact with water.
In case of fire, the formation of the following flue gases cannot be excluded:
Hydrogen fluoride (HF), Carbon monoxide and carbon dioxide.

**Protective equipment and precautions for firefighters**
Wear self-contained breathing apparatus and protective suit.

**Additional information**
If possible, remove batteries(& cells) from fire fighting area. If heated above 125°C, batteries(& cells) can explode/vent. batteries(& cells) is not flammable but internal organic material will burn if the batteries(& cells) is incinerated.

**Section VI – ACCIDENTAL RELEASE MEASURES**

**Personal precautions**
Use personal protective clothing.
Avoid contact with skin, eyes and clothing.
Avoid breathing fume and gas.

**Environmental precautions**
Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up/taking up
Take up mechanically and send for disposal.

**Section VII — HANDLING AND STORAGE**

**Handling**
Advice on safe handling
Avoid short circuiting the Batteries. Avoid mechanical damage of the Batteries. Do not open or disassemble.
Advice on protection against fire and explosion
Keep away from open flames, hot surfaces and sources of ignition.

**Storage**
**Requirements for storage rooms and vessels**
Storage at room temperature (approx. 20°C) at approx. 20 / 60% of the nominal capacity
Keep in closed original container.

**Section VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION EXPOSURE LIMIT VALUES EXPOSURE LIMITS.**

**Control parameters**
ACGIH has not been mentioned control parameter of electrolyte

**Personal protective equipment**
Respiratory protection: Respirator with air cylinder, dust mask
Hand protection: Protective gloves
Eye protection: Goggle or protective glasses designed to protect against liquid splashes
Skin and body protection: Working clothes with long sleeve and long trousers

**Section IX – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**
Form: Solid
Color: Various
Odor: Odourless

**Important health, safety and environmental information**
Test method
- pH value: n/a
- Flash point: n/a
- Lower explosion limits: n/a
- Vapour pressure: n/a
- Density: n/a
- Water solubility: Insoluble
- Ignition temperature: n/a

**Section X – STABILITY AND REACTIVITY USA, EU**

**Stability**
Stable under normal use

**Conditions to avoid**
Keep away from open flames, hot surfaces and sources of ignition. Do not puncture, crush or incinerate.

**Materials to avoid**
No materials to be especially mentioned.

**Hazardous decomposition products**
In case of open cells, there is the possibility of hydrofluoric acid and carbon monoxide release.

**Possibility of Hazardous Reactions**
Will not occur

**Additional information**
No decomposition if stored and applied as directed.

**Section XI – TOXICOLOGICAL INFORMATION**

**Empirical data on effects on humans**
If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

**Section XII – ECOLOGICAL INFORMATION**

**Further information**
Ecological injuries are not known or expected under normal use. Do not flush into surface water or sanitary sewer system.

**Section XIII – DISPOSAL CONSIDERATIONS**

**Advice on disposal**
For recycling consult manufacturer.

**Contaminated packaging**
Disposal in accordance with local regulations.
Section XIV – TRANSPORT INFORMATION

The rechargeable Lithium-Ion battery pack are made in compliance to the requirements stated in the latest edition of the IATA Dangerous Goods Regulations Packing Instruction 965 Section II such that they can be transported as a NOT RESTRICTED (nonhazardous/ non-dangerous) goods. However, if those lithium-ion battery packs are pack with or contained in an equipment, then it is the responsibility of the shipper to ensure that the consignment are packed in compliance to the latest edition of the IATA Dangerous Goods Regulations Section II of either Packing Instruction 966 or 967 in order for that consignment to be declared as NOT RESTRICTED (non-hazardous/non-Dangerous).

With regard to transport of the product, the following regulations are cited and considered:
- The International Civil Aviation Organization (ICAO) Technical Instructions, Packing Instruction 965, Section II (2013-2014 Edition),
- The UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria 38.3 Lithium batteries, 5th revised edition
- UN No. 3480

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”.

Section XV – REGULATORY INFORMATION

U.S. Regulations

National Inventory TSCA
All of the components are listed on the TSCA inventory.

SARA
To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

Regulatory information EU

Labeling
Hazardous components which must be listed on the label
As an article the product does not need to be labeled in accordance with EC directives or respective national laws.
EU regulatory information
1999/13/EC (VOC): 0 %

Section XVI – OTHER INFORMATION

Hazardous Materials Information Label (HMIS)
Health: 0
Flammability: 0
NFPA Hazard Ratings
Health: 0
Flammability: 0
Reactivity: 0
Unique Hazard:

Further Information
Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations. "(n.a. = not applicable; n.d. = not determined)"

The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor’s safety data sheet.