



## **RE: Battery Storage & Depassivation Instructions**

XenoEnergy Lithium Thionyl Chloride Batteries have unique chemical system, so following battery storage and depassivation instructions are required.

**1. Product Type:** Lithium Thionyl Chloride (Li-SOCl<sub>2</sub>) Batteries, 3.6V, Non-Rechargeable

### **2. Battery Storage Guideline**

Li-SOCl<sub>2</sub> batteries shall be stored in following conditions to keep the battery characteristics.

- Store batteries at clean, cool (not over +30°C), dried (less than 30% RH) and ventilated conditions.
- Store batteries in original separate trays and boxes.
- Store batteries in anti-magnetic and non-conductive status.
- Release batteries in first-in and first-out basis.
- Do not store fresh and used batteries together.
- Do not store corroded or leaked batteries with fresh batteries together.  
(Leaked toxic materials may damage fresh batteries.)

### **3. Handling Warning**

Li-SOCl<sub>2</sub> batteries contain hazardous ingredients but have hermetically sealed structure, so they are not hazardous when they are used in the normal storage or usage.

- Do Not Recharge, Short Circuit, Puncture, Crush, Disassemble, Heat above 100°C (212°F), Incinerate or Expose Contents to Water.
- Risk of Fire, Explosion and Severe Burn Hazard in case of abuse (mechanical, terminal and electrical) which leads to the activation of safety protection and/or the rupture of the battery container.

*Under abusive conditions, the battery contained materials may leak and following special exposure control and personal protection is necessary.*

\* **Do not touch corroded and leaked batteries in bare hands**

\* **Do not contact corroded and leaked batteries to the skin or body**

\* **Do not inhale or ingest leaked ingredients**

For more information, please kindly see Material Safety Data Sheet.



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## 4. Long Term Storage and Depassivation

It is natural that Li-SOCl<sub>2</sub> batteries have passivation (LiCl) film when they are stored for a long period without discharge and usage.

We recommend that customer shall use our batteries within 6 months from the arrival. However, if it is over the storage recommended period, we suggest the following depassivation process.

### Storage of 6 months;

Depassivation is not necessary.

### Storage of 6 ~ 12months // 13 ~ 24 months;

Depassivation is recommended as follows;

Model	Storage of 6~12months	Storage of 13~24months
XL(P)-050F, XL-050H	30mA, 10sec.	30mA, 30sec.
XL(P)-055F	40mA, 10sec.	40mA, 30sec.
XL(P)-060F, XL-060H	60mA, 10sec.	60mA, 30sec.
XL-100F	60mA, 10sec.	60mA, 30sec.
XL-145F	100mA, 10sec.	100mA, 30sec.
XL-205F	100mA, 10sec.	100mA, 30sec.
XL-210F	30mA, 10sec.	30mA, 30sec.