

# Material Safety Data Sheet

## SECTION 1- COMPANY IDENTIFICATION

Manufacturer \_\_\_\_\_ Fax : 64-3-329-6893 \_\_\_\_\_

Aceeca International Ltd \_\_\_\_\_ Phone: 64-3-329-6896 \_\_\_\_\_

Address

205 Barnes Road  
Ladbrooks RD2  
Christchurch, New Zealand

NOTE:

Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

## SECTION 2-CHEMICAL PRODCUT

**Product name:** Lithium Ion Rechargeable Battery

**Model:** Laminated Chemistry Lithium Ion

**Nominal Voltage:** 3.7V

**Designated for recharge:** Yes

## SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS-Chemical Name and Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Lithium <i>Cobaltite</i>	28%	/	/	/
Graphite Carbon	16%	/	/	/
Lithium Hexafluorophosphate	1.5%	/	/	/
Organic solvent	6.5%	/	/	/
Non-Hazardous Ingredients	52%			
TOTAL	100%			

## SECTION 4- FIRST AID MEASURES

PRIMARY ROUTES OF ENTRY  Inhalation  ingestion  Skin Absorption  Not Hazardous

CARCINOGEN  NTP  OSHA

LISTED IN  LARC Monograph  NOT Listed

**HEALTH HAZARDS** Acute and chronic

All chemicals are contained in a sealed can. Risk of exposure occurs only if the battery is mechanically or electrically abused.

**Signs and Symptoms of Exposure** N/A

**Medical Conditions**

<b>Generally Aggravated By Exposure</b>	An acute exposure will not generally aggravate any medical condition.		
<b>EMERGENCY FIRST AID PROCEDURES - Seek medical assistance for further treatment, observation and support if necessary</b>			
<b>Eye Contact</b>	In case of eye contact, flush with a lot of water for 15 minutes.		
<b>Skin Contact</b>	In case of skin contact with contents of battery, flush immediately with water.		
<b>Inhalation</b>	In case of light inhalation ,move to an area with fresh air immediately if irritation persists, get medical help.		
<b>Ingestion</b>	In case of ingestion , get medical help.		
<b>SECTION 5- FIRE AND EXPLOSION HAZARD DATA</b>			
<b>Extinguisher Media</b>	CO <sub>2</sub> or dry chemical powder		
<b>Special Fire-Fighting procedures</b>	In case of fire in cell original containers, use CO <sub>2</sub> or dry chemical extinguisher For fire in an adjacent area, water can be used.		
<b>SECTION 6- REACTIVITY HAZARD DATA</b>			
<b>STABILITY</b> <input checked="" type="checkbox"/> Stable  Unstable	<b>Conditions Avoid</b> Do not heat or incinerate the battery. Never impact, pierce or crush the battery. Do not disassemble or modify the battery. Do not charge the battery under high temperature conditions such as near a fire or in the direct sunlight. Do not short-circuit the battery by connect the positive and negative terminals with a metal material. Do not allow the battery to get wet or be immersed in water.		
<b>SECTION 7: Incompatibility</b>			
<b>(Materials to Avoid)</b>	Water or salted water or sea water.		
<b>Hazardous Decomposition Product</b>			
<b>HAZARDOUS POLYMERIZATION</b>  May Occur <input checked="" type="checkbox"/> Will Not Occur	<b>Conditions to Avoid</b>		
<b>SECTION 8- HEALTH HAZARD DATA</b>			
<b>PRIMARY ROUTES OF ENTRY</b>	<input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> ingestion <input type="checkbox"/> Not Hazardous	<b>CARCINOGEN LISTED IN</b> <input type="checkbox"/> NTP <input type="checkbox"/> LARC Monograph <input type="checkbox"/> OSHA <input type="checkbox"/> NOT Listed
<b>HEALTH HAZARDS</b>	<b>Acute and chronic</b> All chemicals are contained in a sealed can .Risk of exposure occurs only if the battery is mechanically or electrically abused.		
<b>Signs and Symptoms of Exposure</b>	N/A		
<b>Medical Conditions</b>			

Generally Aggravated By Exposure | An acute exposure will not generally aggravate any medical condition.

## SECTION 9: EMERGENCY FIRST AID PROCEDURES -

Seek medical assistance for further treatment, observation and support if necessary

### Eye Contact

In case of eye contact, flush with a lot of water for 15 minutes.

### Skin Contact

In case of skin contact with contents of battery, flush immediately with water.

### Inhalation

In case of light inhalation ,move to an area with fresh air immediately  
if irritation persists, get medical help.

### Ingestion

In case of ingestion , get medical help.

## SECTION 10- CONTROL AND PROTECTIVE MEASURES

### Respiratory Protection

(Specify Type) Not necessary under conditions of Normal use.

### Protective Gloves

Not necessary under conditions of Normal use.

### Eye Protection

Not necessary under conditions of Normal use.

### VENTILATION

Local Exhaust

Mechanical (General)

Not necessary under conditions of Normal use.

### TO BE USED

Not necessary under conditions of Normal use.

Special

Not necessary under conditions of Normal use.

Other (Specify)

Not necessary under conditions of Normal use.

## SECTION 11: Other Protective

Clothing and Equipment Not necessary under conditions of Normal use.

### Hygienic Work

Practices Not necessary under conditions of Normal use.

## SECTION 12- ACCIDENTAL RELEASE MEASURES

### Steps to be taken if Material

Is Spilled Or Released The preferred response is to leave the area and allow the batteries to cool down,let the vapors to dissipate .

Avoid skin and eye contact or inhalation of vapors. Remove spiller liquid with absorbent and incinerate after.

## SECTION 13- DISPOSAL CONSIDERATIONS

### Waste Disposal

#### Methods

Dispose in accordance with appropriate Regulations.Opened cells should be treated as hazardous waste.Burn the waste in safety furnace and recycle Co,Cu,Al.

3/3.

## SECTION 14: Precautions to be Taken in Handling and Storage

Take all precautions mentioned in this document and operate the battery within the temperature range of 20°C and 45°C.  
Improper handling of lithium ion batteries may result in injury or damage from electrolyte leakage,

Store the battery at ambient temperature in clean environment without chemical vapor nor

Take all precautions mentioned in this document and operate the battery within the

temperature range of -20°C and 45°C .

## **SECTION 15: Transportation information**

The product is not classified as dangerous under the current edition of the IATA dangerous goods

## **SECTION 16: Other Precautions and /or Special Hazards**

N/A

NFPA _____	HMIS _____
Rating Health_Flammability_Reactivity_Special_____	Rating