

# Celxpert Safety Data Sheet

## [29 CFR 1910.1200]

**Safety Data Sheet**

May be used to comply with OSHA's Hazard communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**US Department of Labor**

Occupational Safety and Health Administration

(Non-Mandatory Form) Form Approved

OMB No.1218-0072

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME :** Lithium Ion Rechargeable Battery Pack

**CUSTOMER :** Arlo Technologies

**CUSTOMER P/N :** 308-50026-01

**CPT P/N :** 927600047

**MODEL NAME :** A-12

**DESCRIPTION :** 1S2P, LG 6500mAh, 3.63V/23.59Wh

**MANUFACTURER :** Celxpert Energy Co., Ltd

**ADDRESS :** No.128, Gong Wu Rd., Wu Lin Vil., Lung Tan, Taoyuan, Taiwan, 325, R.O.C.

**TELEPHONE :** +886-3-4899054

**FAX :** +886-3-4897320

### SECTION 2: HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS****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.

### SECTION 3: INGREDIENT

Battery Cell

HAZARDOUS INGREDIENTS	%	CAS NUMBER
Lithium cobalt oxide	20-50	12190-79-3
Graphite	10-30	7782-42-5
Aluminum Foil	2-10	7429-90-5
Polyvinylidene Fluoride (PVDF)	<1	24937-79-9
Copper Foil	3-15	7440-50-8
Electrolyte solvent :	5-20	96-49-1
Ethylene Carbonate		108-32-7
Propylene Carbonate		105-58-8
Diethyl Carbonate		105-37-3
Ethyl propionate		
Lithium hexafluorophosphate	0.05-5	21324-40-3
Stainless steel, Nickel and inert materials	Remainder	N/A

Circuit Module

HAZARDOUS INGREDIENTS	%	CAS NUMBER
Lead	0.001	7439-92-1
Mercury	0	7439-97-6
Chromium	0	7440-47-3
Cadmium	0	7440-43-9
Plastic case and SiO <sub>2</sub>	0	N/A

Plastic Parts and Paints

HAZARDOUS INGREDIENTS	%	CAS NUMBER
Lead	<0.1	7439-92-1
Nickle	<0.01	7440-02-0
CFCs	0	75-69-4
Polychlorinated Biphenyls	0	1336-36-3

### SECTION 4: FIRST AID MEASURES

INHALATION, EYE CONTACT, and SKIN CONTACT : Not a health hazard.

**INGESTION**

If swallowed, obtain medical attention immediately.

If exposure to internal materials within cell(pack) due to damaged outer casing, the following actions are recommended.

**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.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 GENERAL HAZARD**

Cell is not flammable but internal organic material will burn if the cell is incinerated.

Combustion products include, but are not limited to hydrogen fluoride, carbon monoxide and carbon dioxide.

**5.2 EXTINGUISHING MEDIA**

Use extinguishing media suitable for the materials that are burning.

**5.3 SPECIAL FIREFIGHTING INSTRUCTIONS**

If possible, remove cell(s) from fire fighting area. If heated above 125°C, cell(s) can explode/vent.

**5.4 FIREFIGHTING EQUIPMENT**

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

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 ON LAND**

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

**6.2 IN WATER**

If possible, remove from water and call local fire/police department.

**SECTION 7: HANDLING AND STORAGE****7.1 HANDLING**

No special protective clothing required for handling individual cells.

**7.2 STORAGE**

Store in a cool, dry place.

**SECTION 8: EXPOSURE CONTROLS//PERSONAL PROTECTION****8.1 ENGINEERING CONTROLS**

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

**8.2 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 cells.

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State : Solid	Boiling point : N/A
Odor : N/A	Solubility in water : Insoluble
PH : N/A	Specific gravity : N/A
Vapor pressure : N/A	Density : N/A
Vapor density : N/A	Flash Point : N/A

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

None

### 10.2 INCOMPATIBILITIES

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

### 10.3 HAZARDOUS DECOMPOSITION PRODUCTS

None during normal operating conditions. If cells are opened, hydrogen fluoride and carbon monoxide may be released.

### 10.4 CONDITIONS TO AVOID

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

## SECTION 11: TOXICOLOGICAL INFORMATION

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

Sensitization: NO   Teratogenicity: NO   Reproductive toxicity:NO   Acute toxicity: NO

This product does not contain any kinds of the following substances and halogen-type flame retardants including Chlorine and Bromide type harmful flame retardants which are listed in Appendix of TCO documents and relevant international ECO requirements:

Polybromated Biphenyls (PBB)  
Polybromated Diphenylethers (PBDE)  
Polychlorinated Biphenyls (PCBs)  
Polychlorinated Terphenyls(PCTs)  
Polychlorinated Paphthalene(PCN)  
Chlorinated Paraffins(C10-C13)  
Chlorofluorocarbons(CFCs)  
Polyvinyl Chloride(PVC)  
Carbon Tetrachloride

None of the following substances will be exposed, leaked, or emitted during transportation, storage or any operation and any temperature condition:

Chlorinated Fluorohydrocarbon (FCKW)

Acrylonitrile

Styrol

Phenol

Benzol

Mercury of greater than 0.0001 wt% for alkaline battery

Mercury of greater than 0.0005 wt% for other battery

Lithium content of greater than 0.5g/battery cell

Cadmium, lead, and other harmful heavy metal

And will comply with the regulation of 49 CFR (DOT regulation), International Air Transport Association (IATA), and Deuche Forschungsgemeinschaft (DFG) regarding concentrations of emitted substances.

This product does not contain mercury and cadmium.

Mercury content: N/A

Cadmium content: N/A

If the cells are opened through misuse or damage, discard immediately. Internal components of cell are irritants and sensitizers.

## SECTION 12: ECOLOGICAL INFORMATION

Some materials within the cell are bio-accumulative. Under normal conditions, these materials are contained and pose no risk to persons or the surrounding environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

## SECTION 14: TRANSPORT INFORMATION

- The International Air Transport Association (IATA) Dangerous Goods Regulations (61st Edition, 2020). Packing instruction 965 IA/IB/ Section II for Lithium Ion battery.
- The International Maritime Dangerous Goods (IMDG) Code , 2018 Edition ( Incorporating

Amendment 39-18 ) with special provision 188 & 230.

- US Hazardous Materials Regulations 49 CFR(Code of Federal Regulations)Sections 173-185 Lithium batteries and cells.

- The UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria 38.3 Lithium batteries, ST-SG-AC10-11-Rev6-Amend1 (UN3480) .

## SECTION 15: REGULATORY INFORMATION

OSHA hazard communication standard (29 CFR 1910.1200)

\_\_\_\_ Hazardous

  V   Non-hazardous

## SECTION 16: OTHER INFORMATION

Package if damaged: do not load or transport.

Celxpert contact window: J.D. Chen

For more information,call: +886-3-4899054