


SECTION 1: IDENTIFICATION

Product identifier:

Product name:	Uninterruptible Power Supply
Other names:	UPS Power Bank Containing Lithium-Ion Batteries, Lithium-Ion Battery pack less than 100 WH
Model Numbers:	CP12036LI
Product type:	Prismatic Solid
Region	NAM
Picture: CP12036LI	

Identified uses.

Lithium-Ion battery pack, less than 100 WH

Manufacturer

Supplier/Manufacturer:	Schneider Electric IT USA, Schneider Electric IT Corp., (formerly APC by Schneider Electric, APC Sales and Service Corp.)
Address:	70 Mechanic St Foxboro, MA 02035 United States
Telephone:	+1 800-788-2208 or +1 401-789-5735
E-mail:	http://nam-en.apc.com/app/ask
Website:	www.apc.com

Emergency telephone number (with hours of operation)

For all Service, Technical Support and Emergency Inquires.
 +1-813-248-0585 CHEMTEL MIS0002494

SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status:

While this material is not considered hazardous by OSHA Categories or OSHA Hazard Communication Standard (29 CFR 1910.1200), this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for available for employees and other users of this product.

A battery is considered an article per GHS guidelines and should not be considered dangerous unless it is in a broken condition.

Carcinogenicity (NTP): Not listed.

Carcinogenicity (IARC): Not listed.

Carcinogenicity (OSHA): Not listed.

Classification of the substance or mixture:

Skin or Eye irritant

GHS label elements:



Hazard Pictogram:

Signal word: None

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

Prevention:	P264 Wash skin and clothing thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, protective clothing, eye protection, face protection. P261 Avoid breathing dust, fume, gas, mist, vapors, spray. P271 Use only outdoors or in a well-ventilated area.
Response	P301+P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty water.

	<p>P321 Specific treatment (See additional emergency instructions).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 if eye irritation persists: Get medical advice.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER, if you feel unwell.</p>
Storage	<p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p>
Disposal	<p>P501 Send contents to approved waste treatment plants.</p>

Hazards not otherwise classified (HNOC)

Physical hazards not otherwise classified (PHNOC): See Section 10

Health hazards not otherwise classified (HHNOC): See Section 11

Environmental hazards: See Section 12

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture.
 Other means of identification: Not available.

CAS number/other identifiers

Product/ingredient name	Identifiers	Weight %
Cobaltite, lithium	CAS NO: 12190-79-3 EC NO: 235-362-0	45 - 60%
Graphite	CAS NO: 7782-42-5 EC NO: 231-955-3	10 - 30%
Phosphate (1-), hexafluoro-, lithium	CAS NO: 21324-40-3 EC NO: 244-334-7	10 - 30%
Copper	CAS NO: 7440-50-8 EC NO: 231-1590-6	5 - 10%
Aluminum	CAS NO : 7429-90-5 EC NO: 231-072-3	1 - 5%
Nickel	CAS NO: 7440-02-0 EC NO: 231-111-4	1 - 5%

SECTION 4: FIRST AID MEASURES

General information

Once battery shell rupture, content contact with the human body will produce harm, once contact, should take the following emergency measures.

Description of necessary first aid measures

Eye contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation persists.
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.
Skin contact	Remove contaminated clothes and shoes. Immediately wash with water and soap and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Ingestion	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

Most important symptoms/effects, acute and delayed

Potential acute health effects.

Eye contact	No data available
Inhalation	No data available
Skin contact	No data available
Ingestion	No data available

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	None
Specific treatments	No specific treatment
Protection of first aiders	No action shall be taken involving any personal risk or without suitable training

See toxicological information (Section 11)

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Small Fire: Dry chemical, Water, CO2, water spray or regular foam. Large Fire: Water spray, fog or regular foam.
Unsuitable extinguishing media	N/A
Specific hazards arising from the chemical	Battery may burst and release hazardous decomposition products when exposed to a fire situation.
Hazards thermal decomposition products	Carbon monoxide, carbon dioxide, lithium oxide fumes.
Special protective actions for fire-fighters	Lithium-ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature (> 150°C (302 T)), when damaged or abused (e.g., mechanical damage or electrical overcharging); may burn rapidly with flare-burning effect; may ignite other batteries in close proximity.
Special protective equipment for fire-fighters	Self-contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away. Stay upwind, uphill and/or upstream. Ventilate closed spaces before entering. Large Spill: Consider initial downwind evacuation for at least 100 meters (330 feet).
For emergency responders	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Absorb with earth, sand or other non-combustible material. Leaking batteries and contaminated absorbent material should be placed in metal containers.
Environmental precautions	Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up:

For all waste handling must refer to United Nations, National and Local Regulations for disposal.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8).
Advice on safe handling	Avoid short circuiting the battery. Avoid mechanical damage of the battery. Do not open or disassemble. Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the longtime of sunlight.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure is not expected for product under normal conditions of use.

Individual protection measures

Hygiene measures	The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.
Eye/face protection	Wear safety goggles or eye protection combined with respiratory protection.
Hand protection	Wear appropriate protective gloves to reduce skin contact.
Body protection	Working environment required, wear suitable protective clothing to contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.
Other skin protection	No specific precautions necessary.
Respiratory protection	Wear suitable protective mask. For a large number of battery leakages, wear chemical protective clothing, including self-contained breathing apparatus.

CAS No.	ACGIH	NIOSH	OSHA
12190-79-3	N/A	N/A	PEL-TWA 15mppcf
7782-42-5	TLV-TWA 2mg/m3	REL-TWA 2.5mg/m3	PEL-TWA 20mppcf
21324-40-3	N/A	N/A	N/A
7440-50-8	TLV-TWA 0.2mg/m3 TLV-TWA 1mg/m3	REL-TWA 1mg/m3 REL-TWA 0.1mg/m3	PEL-TWA 0.1mg/m3 PEL-TWA 1mg/m3
7429-90-5	TLV-TWA 1mg/m3	REL-TWA 5mg/m3 REL-TWA 10mg/m3	PEL-TWA 5mg/m3 PEL-TWA 15mg/m3
7440-02-0	TLV-TWA 1.5mg/m3	REL-TWA 0.01 5mg/m3	PEL-TWA 1mg/m3

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Prismatic Solid
Color	Black and White
Odor	Odorless.
Odor threshold	Not applicable.
pH	Not applicable.
Melting point	Not applicable.
Boiling point	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Lower and upper explosive (flammable) limits	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	Not applicable.
Solubility in water	Not applicable.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Viscosity	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Good stability at standard temperature and normal use. This product has no significant reactivity hazard.
Chemical stability	Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions	No dangerous reactions known. Hazardous polymerization will not occur
Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition. Do not puncture, crush or incinerate. Avoid exposing the cell to fire or high temperatures environment. Do not disassemble, crush, short or install with incorrect polarity. Avoid mechanical or electrical abuse.
Incompatible materials	Oxidizing agents, acid base.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, lithium oxide fumes.
Additional information	No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	CAS No.	LC50/LD50
	12190-79-3	No data available
	7782-42-5	No data available
	21324-40-3	No data available
	7440-50-8	No data available
	7429-90-5	No data available
	7440-02-0	LD50 Rat(oral): >9000mg/kg
Irritation/Corrosion	There is no data available.	
Sensitization	There is no data available.	
Mutagenicity	There is no data available.	
Carcinogenicity	There is no data available.	
Reproductive toxicity	There is no data available.	
Teratogenicity	There is no data available.	
Specific target organ toxicity (single exposure)	There is no data available.	
Specific target organ toxicity (repeated exposure)	There is no data available.	
Aspiration hazard	There is no data available.	

Information on the likely routes of exposure: Dermal contact, Eye contact, Inhalation, Ingestion.

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics.

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	No known significant effects or critical hazards.
Potential delayed effects	No known significant effects or critical hazards.

Long term exposure

Potential immediate effects	No known significant effects or critical hazards.
Potential delayed effects	No known significant effects or critical hazards.

Potential chronic health effects

General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates: There is no data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Battery does not pose an Ecotoxicity hazard. Cells or batteries under normal use conditions pose no ecotoxicity hazard.
Persistence and degradability	There is no data available.
Bio accumulative potential	There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc})	No data available.
Other adverse effects	No known significant effects or critical hazards.

Further information

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

SECTION 13: DISPOSAL CONSIDERATIONS







Advice on disposal

For recycling consult manufacturer.

Contaminated packaging

Disposal in accordance with local regulations.

SECTION 14: TRANSPORT INFORMATION

	ADR	ADN	IMDG	IATA
UN number	UN3480	UN3480	UN3480	UN3480
UN proper shipping name	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES
Transport hazard Label				  
Environmental Hazards	None	None	None	None
Additional information	HAZMAT shipping papers are not required via ground or rail.	HAZMAT shipping papers are not required.	IMO Declaration is not required. Write: "Not Restricted per SP 188" on shipping papers or commercial invoice.	<p>IATA Shipper's Declaration of Dangerous Goods (DGD) is required.</p> <p>Maximum 10 kg (battery weight) net quantity per package (battery weight only; excluding weight of packaging/ equipment).</p> <p>Statement on the Air waybill: "Dangerous Goods as per Attached DGD" or "Dangerous Goods as per attached Shipper's Declaration" and 'Cargo Aircraft Only' or 'CAO'.</p>

The following provides information to trained and certified individuals to support proper shipping of this item.

Nominal Voltage (DCV)	Nominal Capacity (mAh)	Power (Wh)	Weight
11.1	2500	27.75	0.291 Kg (0.141 kg is the lithium battery)

- The battery pack meets the requirements of the test in the United Nations (UN) Manual of Tests and Criteria, Part III, subsection 38.3. UN38.3 Test Report Summary is available upon request.
- Batteries must be packed in strong rigid outer packaging for transportation. UN-spec packaging is not required because these are less than 100 Wh.
- The International Air Transport Association (IATA) Dangerous Goods Regulations Packing Instruction 965 IB applies.
- AIR Only: Ensure State of charge (SOC) does not exceed 30% of rated design capacity
- Ocean: IMDG Special Provision 188 applies. At less than 100 Wh, this battery is not restricted as dangerous goods.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

CAS No.	TSCA	IECSC	DSL/NDL	EINECS/ELINCS/NLP
12190-79-3	Listed	Listed	Listed DSL	Listed
7782-42-5	Listed	Listed	Listed DSL	Listed
21324-40-3	Listed	Listed	Listed DSL	Listed
7440-50-8	Listed	Listed	Listed DSL	Listed
7429-90-5	Listed	Listed	Listed DSL	Listed
7440-02-0	Listed	Listed	Listed DSL	Listed

SECTION 16: OTHER INFORMATION

Notice to reader:

Schneider Electric has prepared this Product Safety Datasheets to provide information on the referenced battery systems. Batteries are defined as articles under the GHS and exempt from GHS classification criteria (Section 1.3.2.1.1 of the GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service).

EC: (European Commission).

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health).

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average).

STEL: (Short Term Exposure Limit).
PEL: (Permissible Exposure Level).
REL: (Recommended Exposure Limit).
PC-STEL: (Permissible concentration-short time exposure limit).
PC-TWA: (Permissible concentration-time weighted average);
IARC: (International Agency for Research on Cancer).
LC50: (Lethal concentration, 50 percent kill).
LD50: (Lethal dose, 50 percent kill).
EC50: (Median effective concentration).
BCF: (Bioconcentration Factor).
BOD: (Biochemical oxygen demand).
IECSC: (Inventory of Existing Chemical substances in China).
NOEC: (US National Toxicology program).
RTECS: (Registry of Toxic effects of chemical substances).
TOC: (Total Organic Carbon).
TSCA: (Toxic Substances Control Act of USA).
DSL: (The Domestic Substance list of Canada).
NDSL: (The Non-domestic Substance list of Canada).
IATA: (International Air Transport association).
IMDG: (International Maritime Dangerous Goods).
TDG: (Recommendations on the Transport of Dangerous Goods Model Regulations);