

Manufacture Dates

25/12 - Present

Count of individual cells in the battery:

12

The hazardous substances, as listed in CCR, title 8, section 339, present in the battery.

Hazardous Ingredients	%	CAS Number
Aluminum Foil	1-5	7429-90-5
Metal Oxide (proprietary)	30-50	
Polyvinylidene Fluoride (PVDF)	<3	24937-79-9
Copper Foil	3-10	7440-50-8
Carbon (proprietary)	20-30	7440-44-0
Electrolyte (proprietary)	10-20	
Aluminum, Copper plate and inert materials	Remainder	N/A
Lithium-equivalent Content: 42.3g (280Wh/kg)		

Product safety information or recall information, as applicable:**Battery Information:**

The rechargeable lithium NMC battery described in this section is a sealed unit which contains sealed lithium NMC cells, used as electrical storage batteries for industrial, commercial and personal use.

Hazard Identification:

Hazard Classification of the Chemical: Not classified as dangerous or hazardous with normal use. The cell should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

Signal Word: DANGER!

Hazard Statements:

The rechargeable lithium-ion battery is not hazardous when used according to the recommendations of the manufacturer and as long as their integrity is maintained.

Precautionary Statements:

The rechargeable battery described in this section is a sealed unit which is not hazardous when used according to the recommendations of the manufacturer and if its integrity is maintained.

Do not short circuit, puncture, incinerate, crush, immerse in water, force discharge or expose to temperatures above the declared operating temperature range of the product. Under normal conditions of use, the active materials and liquid electrolyte contained in the cells and battery are not exposed to the outside, provided the battery integrity is maintained and seals remain intact. Risk of exposure only in case of abuse (mechanical, thermal, electrical).

These chemicals are contained in a sealed enclosure. Risk of exposure occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, exposure to the electrolyte solution contained within can occur by Inhalation, Ingestion, Eye contact and Skin contact.

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.

Reported as carcinogen: Not applicable

IF EXPOSURE TO INTERNAL MATERIALS WITHIN CELL 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.

Fire Fighting Measures

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.

Extinguishing Media Use extinguishing media suitable for the materials that are burning.

Special Firefighting Instructions, If possible, remove cell(s) from firefighting area. If heated above 150°C, cell(s) may explode/vent.

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

Accidental Release Measures

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

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

Handling and Storage

Handling: No special protective clothing required for handling individual cells. Storage: Store in a cool, dry place.

Exposure Controls

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

Personal Protection

Respirator - Not required during normal operations. SCBA is required in the event of a fire.

Eye/face protection - Not required beyond safety practices of employer.

Gloves - Not required for handling cells.

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

Stability and Reactivity

Reactivity - None

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

Hazardous Decomposition Products - None during normal operating conditions. If cells are damaged, hydrogen fluoride and carbon monoxide may be released.

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

Safe Disposal Information:

Lithium-ion batteries must NOT be placed in regular household trash or recycling bins. Instead, they should be taken to designated battery recycling centers or household hazardous waste drop-off locations. To reduce fire risks, cover the battery terminals with tape and/or place each battery in its own plastic bag before disposal.

Find battery recycling locations near you:

<https://search.earth911.com/?what=Lithium-ion+Batteries>

<https://www.call2recycle.org/>

These sites are listed for informational purposes only. ULV does not endorse any of these entities, nor their services.

California regulated debris

RCRA Waste Code: Nonregulated

Dispose of according to all federal, state, and local regulations.