
Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

The preferred response is to leave the area and allow the batteries to cool and the vapors to dissipate. Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerate.

Waste Disposal Method:

Dispose in accordance with appropriate regulations. Open cells should be treated as hazardous waste.

Precautions to be Taken in Handling and Storing:

Avoid mechanical or electrical abuse.

Other Precautions:

Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

Section VIII - Control Measure

Respiratory Protection (Specify Type): Not necessary under conditions of normal use.

Ventilation: 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.

Other Protective Clothing or Equipment: Not necessary under conditions of normal use.

Section IX - Disposal

Lithium batteries are best disposed of as a non-hazardous waste when fully or mostly discharged. The Federal Environmental Protection Agency (EPA) (governed by the Resource Conservation and Recovery Act (RCRA)) do not list or exempt Lithium as a hazardous waste. However, if waste lithium batteries are still fully charged or only partially discharged, they can be considered a reactive hazardous waste because of significant amounts of unreacted, or unconsumed lithium remaining in the spent battery. The batteries must be neutralized through an approved secondary treatment facility prior to disposal as a hazardous waste (as required by the U.S. Land Ban Restrictions for the hazardous and Solid Waste Amendments of 1984.) Secondary treatment centers receive these batteries as manifested hazardous waste under code "D003 - reactive." Button cells are exempt because they contain so little lithium and therefore can be disposed of in the normal municipal waste stream. Use a professional disposal firm for disposal of mass quantities of undischarged lithium batteries.

DO NOT INCINERATE or subject battery cells to temperatures in excess of 212°F. Such treatment can cause cell rupture.

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Section X - Transportation

SANYO Lithium batteries are exempt from dangerous goods regulations and meet the exceptions of 49CFR Part 173.185(b). They are considered non-dangerous goods by the International Civil Aviation Organization (ICAO) and the International Air Transport Association (IATA) because they meet all requirements of Special Provision A45.

Separate Lithium batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport.

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WEIGHT OF LITHIUM FOR LITHIUM BATTERY

(Figure: Max. amount)

	Model No.	Weight of Lithium (g)/ Cell or Battery	Weight of Battery (g)/ Cell or Battery
PRIMARY BATTERIES			
Coin-type	CR1220	0.01	0.8
	CR1620	0.02	1.2
	CR2016	0.03	1.7
	CR2025	0.04	2.7
	CR2032	0.07	3.2
	CR2430	0.08	4.0
	CR2450	0.15	6.2
	CR-1/3N	0.06	3.3
	2CR-1/3N	0.12	9.1
Cylindrical-type (SE series)	CR14250SE, (-R)	0.26	9.0
	CR12600SE	0.48	15.0
	CR-2NSE	0.48	15.0
	CR17335SE, (-R)	0.49	17.0
	CR17450SE, (-R)	0.72	22.0
	CR23500SE, (-R)	1.52	42.0
	CR17335SE-V	0.49	17.0
	2CR17335SE-V	0.98	44.0
Cylindrical-type (Crimp sealed)	CR15270	0.40	12.0
	CR15335	0.40	13.8
	CR15400	0.49	17.0
	CR17335	0.50	16.0
	CR123A	0.50	17.0
	CR-P2	1.00	37.0
	2CR5	0.98	40.0
	CR2	0.40	12.0
SECONDARY BATTERIES			
Coin-type (ML series)	ML1220	0.007	0.7
	ML2016	0.01	1.8
	ML2430	0.04	4.0

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