Lithium Deep Cycle XTRA

Material Safety Data Sheet

REMCO Lithium Super Slimline Series

Hazardous Identification of the Product and Supplier

Names of Goods: REMCO Lithium Xtra Super Slimline Series Battery Synonyms / Codes: RM12-110LFPXSL / RM12-110LFPXSLDC / RM12-150LFPXSL
Type Model – 110Ah Slim Line
Electrically protected and mechanically protected within 2mm Aluminium enclosure 1340Wh of Lithium Ferrous Phosphate cells
Supplier: Ryde Batteries Wholesale
Supplier Address: Unit G, 10-16 South Street, Rydalmere New South Wales 2116 Australia, Telephone: +61 2 9638 522

Summary of Product

Total weight of complete package – 10kg
Weight of 4x 110Ah Lithium Ferrous Phosphate Cells inc individual casing– 10g
Weight of active ingredient Ferrous lithium phosphate excluding casing – 5.0kg
1320Wh storage device with protection electronics, casing, plugs and connectors.

Composition/Information on Ingredients

Ferrous lithium phosphate – 41.76% - CAS 1536-14-7
Graphite – 18.97% - CAS7782-42-5
Styrene – 1.61% - CAS 61789-96-6
Copper – 17.16% - CAS7440-50-8
Aluminium – 8.87% - CAS 7429-90-5
Methylpyroilone – 0.25% - CAS 872-50-4
Others – 11.13%

Explosive Risk – This article does not belong to explosive dangerous goods
Flammable Risk – This article doe not belong to flammable material
Oxidation Risk – This article does not belong to oxidizing dangerous goods Toxic Risk – This article does not belong to toxic dangerous goods
Radioactive Risk – This article does not belong to radiation of dangerous goods
Mordant Risk – This article does not belong to corrosion of dangerous goods
Other Risk – This article contains Lithium Ion cells with 640Wh capacity

First Aid Measures

Should the article under severe compromise emit a gas.
Flush eyes with plenty of water for 15 minutes and call for medical aid.
Remove contaminated clothes and call for medical aid
Remove yourself immediately from the area and avoid further inhalation.
If you ingest any of the material give at least 2 glasses of water, induce vomiting and call for medical aid.

Fire Fighting Measures

Flash Point – N/A
Auto ignition Temperature – N/A
Extinguishing Media – Water, CO2
Special Procedures – self-contained breathing apparatus
Unusual Fire and Exposion Hazards when cells are subjected to excessive heat exposing battery contents
Hazardous Combustion Products – Carbon monoxide, carbon dioxide, lithium oxide fumes

Accidental release

If under extreme conditions the contents within the cells are spilled, provide maximum ventilation to clear gases, wipe up liquid spills with a cloth and dispose in a plastic bag, Allow the battery to cool and remove the complete package for safe disposal.

Handling and Storage

The LBS Battery is safe unless crushed, punctured, incinerated or immersed in liquid. Caution should be taken in handling or storing. The battery should not be stored near excessive temperature sources.

Exposure controls / personal protection

If the battery is compromised and the cells begin venting then provide as much ventilation as possible.
Protection is not necessary under normal condition of use or storage.
Ventilation is not necessary under normal conditions of use
Other protective clothing or equipment is not necessary under normal conditions of use
Personal protection is only required under conditions of severe compromise and gloves, protective clothing and safety glasses with side shields are recommended.

Physical and chemical properties

Appearance: self contained fully protected enclosure being 330mm x 240mm x 300 mm weighing 30kg. Electrically protected device.
Odour in severe compromise is the smell of medical ether
Flash Point - N/A
Flammability – N/A
Relative Density – N/A
Solubility water– N/A
Solubility other – N/A

Stability and reactivity

Product is stable under normal conditions.
Conditions to avoid are temperatures over 70 degrees C. Do not crush, mutilate, pierce of heavily deform the package.
Do not immerse in water oxidizing agents or alkalis
Hazardous Decomposition Products: Fumes may form peroxides
Hazardous Polymerization: N/A
If the product is heavily compromised and leaks do not bring this material into contact with strong oxidisers, mineral acids, strong alkalines or halogenated hydrocarbons.

Toxicological Information

Signs and symptoms do not exhibit unless battery is heavily compromised.
In the event of severe compromise the exposure to internal contents and vapour fumes may be an irritant to eyes and skin.
Inhalation – Lung irritant
Skin contact – Skin Irritant
Ingestion – Poisoning if swallowed
In the event of excessive exposure the target organs are nerves, liver and kidneys.

Ecological Information

Mammalian effects – none known at present
Eco toxicity – None known at present
Bioaccumulating potential – slowly bio degradable
Environmental fate – No known hazards at present

Disposal consideration

Do not incinerate or subject cells to temperatures greater than 70 degrees C.

Transport Information

Label for conveyance – Dangerous Goods Class 9
UN Number – UN3480/81
Marine Pollutant – No
Hazard Classification – Exceeds packing instructions 965 of 57th DGR Manual of IATA 2016 inc UN38.3 test. Exceeds P903 of IMDG code 37-14

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