

GREPOW

SHENZHEN GREPOW BATTERY CO., LTD.

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MATERIAL SAFETY DATA
SHEET

Model: 38120S3.2V10A



ADD: WUSHIGANG, CHUANGYIROAD, TONGFUYUINDUSTRIALPARK, LONGHUA VILLAGE,
BAOANDISTRICT, SHENZHEN, CHINA.

Section 1. Product Identification

Product Name
Company of Producing

Lithium Ion Battery
GREPOW

Section 2. Composition/Information on Ingredients(9536128)

Composition	Wt%
Lithium Cobalt Oxide	30-34
PVDF	1.5-2.5
Carbon	16-17
PTFE	0.8-1.2
Electrolyte(EC/DEC/ImolLipF6)	13-14
PP+PE	1.5-2.5
Copper	10-11
Aluminum	21-23
Nickel	0.6-0.8

Section 3. Hazard Identification

Material	Emergency Overview (Appearance)	Toxicity (Potential Health Effects)
Lithium Cobalt Oxide	Blu-Black Powder (odorless)	Cobalt and Cobalt compounds are considered to be possible human Carcinogen(s)By.IARC:May irritate eyes, skin, nose, throat,and respiratory system May cause allergic skin sensitization(rash).
Carbon	Black Powder (odorless)	No cases of carbon being harmful to humans have been reported. WHO and ILO have never verified that carbon irritation of the skin and mucous membrane,etc In some individuals.
Bond	Odorless White Powder	Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material As a finished product,it is a synthetic,high molecular weight polymer,due to its chemical and physical properties,this material dos not



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CAUTION
MELT

RELEASES
VAPORS
WHICH
MAY
CAUSE
EYE
SKIN
AND
RESPIRATORY
TRACT
IRRITATION

require special handing other than the good
Industrial hygiene and safety practical PROCESING
employed with any industrial material of
this type. Under normal processing
conditions, this material release fame or
vapor components of these release may
vary with processing time and
temperatures. These process releases may
produce eye, skin and/or respiratory tract
irritation and, with repeated or prolonged
exposures, nausea, drowsiness, headache
and weakness. Although unlikely under
normal handling conditions, if this
material is heated in excess of 600F(315C)
Hazardous, decomposition products will be
Produced, hazardous decomposition
products include hydrogen fluoride and
oxides of carbon, the concentrations of
which vary with temperature and heating
regimens.

Electrolyte

Colorless Liquid
WARNING
FLAMMABLE
REACTS WITH WSTER
TO FROM
HYDROFLUORIC ACID
MAY CAUSE BURNS TO
SKIN AND EYES
EFFECTS MAY BE
DELEYED. MAY CAUSE
BLINDNESS
PROBABLE
REPRODUCTIVE
HAZARD

May cause moderate to severe irritation,
butting and dryness of the skin. May cause
eye irritation or burning. Breathing
of the mists, vapors or fumes may irritate
the nose, throat and lungs or fumes may
irritate the nose throat and lungs Exposure
of material with areas which contain water
may generate hydrofluoric acid which can
cause immediate burns on skin, severe eye
bums burns to the mouth and
gastrointestinal tract if ingested, and
laryngeal edema if inhaled. Direct
exposure to areas of the body need to be
treated immediately to prevent injury.



Section 4. First Aid Measures

- Eyes :** Flush with water for at least 15 minutes. If irritation occurs and persists, contact a medical doctor.
- Skin :** Remove contaminated clothing and thoroughly wash with soap and plenty of water. If irritation persists, contact a medical doctor.
- Inhalation:** Remove to fresh air. If breathing difficulty or discomfort occurs and persists, see a medical doctor. If

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breathing has stopped, give artificial respiration and see a medical doctor IMMEDIATELY.

Section 5. Fire Fighting Measure

- Hazardous Combustion Products :** When burned, hazardous products of combustion including fumes of carbon monoxide, carbon dioxide, and fluorine can occur.
- Extinguishing Media :** Water, carbon dioxide, dry chemical, or foam.
- Basic Fighting Procedures:** Wear NIOSH/MSHA approved positive pressure self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- Unusual Fire & Explosion Hazards :** This material does not represent an unusual fire or explosion hazard.
- Flash Point:** 38°C (CC) (100°F)
- Autoignition Temperature :** No Data.
- Flammability Limits in Air, Lower, % by volume:** 1.4
- Flammability Limits in Air, Upper, % by volume:** 11

Section 6. Accidental Release Measures

Procedure for Release and Spill:

Sweep up and place in a suitable container, Dispose or waste according to all local, state and Federal Laws and Regulations.

Before cleanup measures begin, review the entire MSDS with particular attention Potential Health Effects, and on Recommended Personal Protective Equipment,

Section 7. Handling and storage

Handling : Avoid contact with eyes, skin or clothing, use with adequate ventilation. Wear safety glasses and rubber gloves. Wash thoroughly after handling.

Material	Storage
Lithium Cobalt Oxide	Keep away from strong acids. Keep container closed
Carbon	Store this material in a sealed enclosure to avoid dispersion of carbon fiber dust, Keep container closed.
Bond	Store in a cool, dry place. This material is not hazardous under normal storage conditions, however, material should be stored in closed container, in a secure area to prevent container damage and subsequent spillage.
Electrolyte	Store in tightly closed containers in a cool, dry, isolated, well-ventilated area away from heat, sources of ignition and in compatibles. Store in original container, keep from freezing. Avoid exposure to high temperatures

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