



MSDS Report

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Section 1 - Product and Company Identification

Product name : Car battery

Model : 602025、401010、602030、503035、501214、552535、603040、551012、350926、602040

Applicant Name : Shenzhen source xin weiye technology co.,LTD

Applicant Address : Shenzhen New District of Longhua City, Dalang street Langkou community Huarong

Road No.376 HongFu Industrial Park C building on the third floor A District

Signed for and on behalf of



Andy Zheng
Technical Director

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Section 2 – Composition/Information on Ingredients

Ingredient Name:

The difference between the single product and mixture: mixture

Chemical Name:

Constitutes:

Common Chemical Name	Concentration(%)	CAS Number
Cell		
Aluminum foil	9.42	7429-90-5
Copper	11.77	7440-50-8
Styrene-Butadiene polymer	1.5	9003-55-8
1,1-Difluoroethylene polymer	1.64	24937-79-9
Lithium Cobalt Oxide (CoLiO ₂)	38.02	12190-79-3
Graphite	22.01	7782-42-5
Phosphate(1-), hexafluoro-, lithium	2.02	21324-40-3
Nickel	1	7440-02-0
Ethylene carbonate	4.27	96-49-1
Dimethyl carbonate	5.35	616-38-6
Carbonate, methyl ethyl	3	623-53-0

Section 3 - Hazards Identification information

Invasion way: Ingestion is strictly prohibited.

Environmental hazards: Biodegradable material.

Explosion Hazards: Sealed low temperature storage, avoid long-term exposure.

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Section 4 - First Aid Measures

Skin: Swabbed out and water to clean.

Eyes: Flush eyes with plenty of water . Get medical attention.

Ingestion: Get medical attention.

Section 5 - Fire Fighting Measures

Hazardous Characteristics: Release of harmful fumes when heated to decomposition temperature.

Extinguisher: Bubble, carbon dioxide, dry powder, sandy soil.

Extinguishing method: In case of fire, it should be promptly cut off the ignition point near the burning ways and wear suitable protective clothing, wear a respirator equipped, use fire extinguishing agent from the upwind direction of the wind down. Cooling after extinguishing water.

Extinguishing Note: Remember to switch off the power supply, evacuation of personnel. Firefighters need to wear protective masks.

Section 6 - Accidental Release Measures

Emergency Action: Dry sand or felt seal leakage mouth, then dry sand mixed spill with plastic shovels load register, and buried in open places.

Personal Protection: Wear boots and protective clothing, wearing masks, rubber gloves and protective glasses.

Environmental protection measures: Prevent entry into sewers in order to avoid congestion.

Section 7 - Handling and Storage

Note:

1. Open the doors and windows, to ensure good ventilation in the construction site.
2. Is strictly prohibited fireworks, away from the fire source, to prevent static fire.
3. The use of this product before trial, materials and construction techniques to verify the suitability of the proposed, to meet the requirements before the official use.

Precautions to be taken in handling and storing

1. Stored in a cool, well-ventilated area.
2. In the storage of the product should pay attention to ventilation and prevent the fire close to and electrostatic generation;
3. Keep out of reach of children & pets.

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Section 8 - Exposure Controls & Personal Protection

Operation Control: Open windows and door to ensure that the construction site is well ventilated.

Hygiene measures: Follow general precautions, contaminated clothing must be replaced immediately, wash hands after work.

Section 9-Physical and Chemical Properties

Appearance and properties: Solid

pH : No Material

Melting point (°C): No Material

Boiling point (°C) : (101.3kpa) No Material

Flash point(°C) : No Material

Burning hot (kJ/mol): No Material

The critical temperature (°C) : No Material

Critical pressure (MPa) : No Material

Solubility: No Material

Section 10 - Stability & Reactivity Data

Chemical Stability: Stable.

Conditions to Avoid: Strong oxidizer, potassium, sodium

Hazardous Decomposition Products: N/A

Hazardous Polymerization: N/A

Section 11 - Toxicological Information

Toxicological Information: N/A

Excitant: Slightly

Primary irritant effect

- on the skin: No irritant effect.
- on the eye: Slightly irritating
- Sensitization: No sensitizing effects known.

Additional toxicological information:

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The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Toxicokinetics, metabolism and distribution: No further relevant information available

Acute effects (acute toxicity, irritation and corrosivity): No further relevant information available

Section 12 - Ecological Information

Ecological Information:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Waste treatment methods

- Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging

- Recommendation: Disposal must be made according to official regulations.

Section 14 - Transport Information

This report applies to by sea, by air and by land;

The Polymer Li-ion Battery must be of a design type proved to meet the testing requirements of the

Manual of test and criteria, Part III, subsection 38.3;

The Polymer Li-ion Battery according to Section II of PACKING INSTRUCTION 965-967 of the 2019

IATA Dangerous Goods regulations 60th Edition may be transported. and applicable U.S. DOT regulations for

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the safe transport of Lithium-ion Battery.

Polymer Li-ion Battery was protected so as to prevent short circuits. This includes protection against

contact with conductive materials within the same packaging that could lead to short circuit;

Cell and batteries offered for transport must be packed in inner packaging's that completely enclose the cell or battery; to provide protection from damage or compression to the batteries, the inner packaging's must be placed in a strong rigid outer packaging;

The packaging shall be adequate to avoid mechanical damage during transport, handling and stacking. The materials and pack design shall be chosen so as to prevent the development of unintentional electrical conduction, corrosion of the terminals and ingress of moisture.

The package must be handled with care and that a flammability hazard exists if the package is damaged;

With regard to transport, the following regulations are cited and considered:

- The International Civil Aviation Organization (ICAO) Technical Instructions.
- The International Air transport Association (IATA) Dangerous Goods Regulations.

UN number of lithium battery: UN3480;

UN Proper shipping name/Description (technical name): Lithium ion batteries;

- The International Maritime Dangerous Goods Code 2018 Edition (Amdt.39-18)

For lithium-ion batteries by sea, provided that packaging is strong and prevent the products from short-circuit.

UN number of lithium battery: UN3481;

UN Proper shipping name/Description (technical name): Lithium ion batteries

Special Provision: International maritime dangerous goods code (IMDG) 188, 230, 310, 348, 957;

- The US Hazardous Materials Regulation (HMR) pursuant to a final rule issued by RSPA
- The Office of Hazardous Materials Safety within the US Department of Transportations' (DOT) Research and Special Programs Administration (RSPA)

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Section 15 - Regulatory Information

《Dangerous Goods Regulation》

《Recommendations on the Transport Of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

OSHA Hazard Communication Standard Status

Toxic Substances Control Act (TSCA) Status

SARA Title III

RCRA

U.S. Federal Regulations

European/International Regulations

In accordance with all Federal, State and Local laws.

Section 16 - Other Information

Other Information: the above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use, this information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

TST confirmed the ninth item, the above content as reference information only. Please the user according to the demand to judge its usability. TST has no any responsibility.

*** End of Report ***

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