



Pony Testing International Group

Report No.: H12162030316D

MSDS Report

Sample Description	Rechargeable Lithium Iron Phosphate Battery
Applicant	O'CELL New Energy Technology CO., LTD

Pony Testing International Group
www.ponytest.com





Pony Testing International Group

Report ID: H12162030316D

Page 1 of 14

Material Safety Data Sheet (MSDS)

Rechargeable Lithium Iron Phosphate Battery

Section 1 - Chemical Product and Company Identification

Sample Name: Rechargeable Lithium Iron Phosphate Battery

Export to: USA

Recommended Uses: N/A

Restrictions on use: N/A

Company Identification: O'CELL New Energy Technology CO., LTD

Address: Ocell Industry Zone, Yayuan Road, Xiaoting District, Yichang City, Hubei Province, China.

TEL: +86 717-6344848

Post Code : 443000

Fax: +86 717-6516633

E-mail :qc@ocelltech.com

Emergency Telephone: +86 717-6344848

Manufacturer Name: O'CELL New Energy Technology CO., LTD

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

Physical and chemical hazards: This product is not combustive under proper use and handling.

Human health hazards: Harmful if Swallowed. Under normal conditions of use, the solid electrode materials and liquid electrolyte they contain are non-reactive provided the battery integrity is maintained and seals remain in tact. Caution, do not open or disassemble. Do not expose to fire or open flame. Do not mix with batteries of varying sizes, chemistries or types. Risk of fire, explosion and burns. Do not short-circuit, crush, incinerate or disassemble battery.

Environment hazards: If the battery is discarded into the environment, the harmful contents inside may be dangerous.

Specific hazards: N/A

UN Classification: 9

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No.680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022)27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574)87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020)89224310



Pony Testing International Group

Report ID: H12162030316D

Page 2 of 14

European Classification in Accordance with EC Directives 1999/45/EC: None.

Important symptoms: See Section 11 for more information.

An outline of an anticipated emergency: In case of accident or if you feel unwell, seek medical advice immediately. See Section 4 for more information.

Section 3 - Composition, Information on Ingredients

**General Chemical Description: This chemical product is a mixture.
Composition, Information on Ingredients:**

Chemical Name	CAS No.	Percent (by weight)	EC#
LiFePO ₄	15365-14-7	30-40%	N/A
Carbon	7782-42-5	10-20%	231-955-3
Organic stabilizer	EC(Ethylene carbonate)	10-15%	202-510-0
	DMC(Dimethyl carbonate)		210-478-4
	EMC(Ethyl methyl carbonate)		N/A
	LiPF ₆		244-344-7
	PC(Propylene carbonate)		203-572-1
Copper	7440-50-8	5-10%	231-159-6
Aluminium	7429-90-5	2-10%	231-072-3
Nickel	7440-02-0	1-5%	231-111-4
PP	25722-45-6	2-5%	N/A
PVC	9002-86-2	2-5%	N/A
Paper	N/A	2-5%	N/A

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No.680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022)27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574)87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020)89224310



Section 4 - First Aid Measures

Caution! No effect under routine handling and use. If exposure to internal materials within cell due to damaged outer metal casing, the following actions are recommended.

Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention if irritation develops or persists. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Skin: If a reaction with skin contact occurs, remove the contaminated clothing. Wash the affected area with water. Get medical aid if irritation develops or persists.

Eyes: In case of contact, immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids, until no evidence of the chemical remains. Do not rubbing eyes with hand. Check for and remove any contact lenses if easily possible. Get medical aid.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important acute and delayed symptoms/effects: See Section 11 for more information.

Protection of first-aiders: Use proper personal protective equipment as indicated in Section 8.

Note To Physicians: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

Extinguishing Media: If batteries are on charge, turn off power. In case of fire where lithium ion batteries are present, flood the area with water.

www.ponytest.com & Hotline 400-819-5688

Address information for various locations including Beijing, Shanghai, Shenzhen, Qingdao, and Tianjin.



If any batteries are burning, water may not extinguish them, but will cool the adjacent batteries and control the spread of fire. CO₂, dry chemical, and foam extinguishers are preferred for small fires, but also may not extinguish burning lithium ion batteries. Burning batteries will burn themselves out. Virtually all fires involving lithium ion batteries can be controlled with water. When water is used, however, hydrogen gas may be evolved which can form an explosive mixture with air. LITH-X (powdered graphite) or copper powder fire extinguishers, sand, dry ground dolomite or soda ash may also be used. These materials act as smothering agents.

Specific Hazards: Thermal decomposition can lead to release of irritating gases and vapors. Batteries evolve flammable hydrogen gas during charging and may increase fire risk in poorly ventilated areas near sparks, excessive heat or open flames. Thermal shock may cause battery case to crack open. Containers may explode when heated. Firefighting water runoff and dilution water may be toxic and corrosive and may cause adverse environmental impacts.

Specific Extinguishing Methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Move containers from fire area if this can be done without risk. Prevent run off from fire control dilution from entering streams or drinking water supply.

Protective Equipment: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Section 6 - Accidental Release Measures

Person-related Safety Precautions: Review Section 5 and Section 7 sections before proceeding with clean-up. Use proper personal protective equipment as indicated in Section 8.

Measures for Environmental Protection: Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No.680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022)27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574)87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020)89224310



Measures for Cleaning/Collecting: Remove all sources of ignition. Stop leak if safe to do so. Move containers from spill area. Collect up, and then place into a suitable container for disposal or recycle.

Section 7 - Handling and Storage

General Information: This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Handling: Do not dispose in fire, mix with other battery types, recharge, connect improperly, or short circuit, which may result in overheating, explosion or leakage of cell contents. Accidental short circuit will bring high temperature elevation to the battery as well as shorten the battery life. Be sure to avoid prolonged short circuit since the heat can burn attendant skin and even rupture of the battery cell case. Battery bulk container, coins, metal jewelry, metal worktable, metal belt or other equipment for assembly battery may be the source for short circuit. Use effective anti short circuit measures. Do not use organic solvents or other chemical cleaners on battery. Do not disassembly or decompose. Avoid contacting with water, avoid straight sunlight.

Storage: Store in a cool and dry area, but prevent condensation on cell or battery terminals. High temperature may damage the performance of the battery, cause leaking or rusting. Protect from physical damage and short circuits. To avoid risk of fire or explosion, keep sparks and other sources of ignition away from the battery. Do not allow metal objects to simultaneously contact both positive and negative terminal of batteries. Do not stack battery directly on another battery. Do not store batteries on electrically conductive surfaces.

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No. 49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No. 680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No. 190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022) 27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574) 87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020) 89224310

Section 8 - Exposure Controls, Personal Protection

Exposure Limit:

CAS No.	ACGIH (mg/m ³)	NIOSH (mg/m ³)	OSHA (mg/m ³)
15365-14-7	N/A	N/A	N/A
7782-42-5	TLV-TWA 2 mg/m ³ (respirable fraction)	REL-TWA 2.5 mg/m ³ (resp) IDLH-1250 mg/m ³	PEL-TWA 15 mppcf
96-49-1	N/A	N/A	N/A
616-38-6	N/A	N/A	N/A
623-53-0	N/A	N/A	N/A
21324-40-3	N/A	N/A	N/A
108-32-7	N/A	N/A	N/A
7440-50-8	TLV-0.2 mg/m ³ (fume); 1 mg/m ³ (dust and mist, as Cu)	REL-TWA 1 mg/m ³ IDLH-100 mg/m ³	PEL-TWA 1 mg/m ³
7429-90-5	TLV-TWA 10 mg/m ³ (metal dust)	REL-TWA 10 mg/m ³ (total); TWA 5 mg/m ³ (resp)	PEL-TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)
7440-02-0	TLV-TWA 1.5 mg/m ³ (inhalable fraction)	REL-Ca TWA 0.015 mg/m ³ IDLH- Ca 10 mg/m ³	PEL-TWA 1 mg/m ³
25722-45-6	N/A	N/A	N/A
9002-86-2	N/A	N/A	N/A

Monitoring Methods: No information found.

Engineering Controls: General room ventilation is sufficient during normal use and handling. Do not install these batteries in sealed, unventilated areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment:

www.ponytest.com & Hotline 400-819-5688

<p>Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing Tel: (010) 82618116</p>	<p>Building 35, No.680, Guiping Road, Xuhui District, Shanghai (021) 64851999</p>	<p>Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen (0755) 26050909</p>	<p>6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao (0532) 88706866</p>
<p>Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin Tel: (022)27360730</p>	<p>Phase 2 Building 4, No 150 Xinhui Rd, Gaovin Dist, Ningbo City (0574)87736499</p>	<p>Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou (020)89224310</p>	

- **Respiratory Protection: No special requirement under normal use. In case of battery venting, provide as much ventilation as possible. An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when fire.**
- **Hand Protection: No special requirement under normal use. In the event of battery case breakage, should be wear appropriate safety gloves.**
- **Eyes: No special requirement under normal use. Use appropriate safety glasses with side shields if handling an open or leaking battery.**
- **Skin and Body Protection: No special requirement under normal use. Use neoprene or natural rubber gloves if handling an open or leaking battery.**
- **Other Protection: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. To maintain good health habits.**

Section 9 - Physical and Chemical Properties

Physical State: Blue rectangular solid and odorless.

pH: N/A

Melting range: N/A

Freezing Point: N/A

Boiling Point: N/A

Flash Point: N/A

Explosive limits, vol% in air: N/A

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Relative density of the vapour/air-mixture at 20°C (air=1): N/A

Density: N/A

Solubility: N/A

Octanol/water partition coefficient as log Pow: N/A

Auto-ignition Temperature: N/A

Decomposition temperature: N/A

Odour threshold: N/A

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No 49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No.680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022)27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574)87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020)89224310

Evaporation rate: N/A

Viscosity: N/A

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of hazardous reactions: When a battery cell is exposed to an external short-circuit, crushed, modification, high temperature, open flames, it will be the cause of heat generation and ignition.

Conditions to Avoid: Incompatible materials, excess heat, exposure to moist air or water. Mechanical abuse and electrical abuse (such as recharging, voltage reversal and short-circuiting).

Incompatibilities with Other Materials: Conductive materials, water, seawater, Strong oxidizing agents, strong acids.

Hazardous Decomposition Products: In case of a fire or high temperature, oxides of carbon and irritating/harmful fumes/smoke may be generated.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

Toxicological Information:

CAS No.	RTECS#	LD50/LC50
15365-14-7	N/A	N/A
7782-42-5	MD9659600	N/A
96-49-1	FF9550000	LD50: 10,000 mg/kg (Oral, rat) LD50: > 3,000 mg/kg (Dermal, rabbit)
616-38-6	FG0450000	LD50: 13,000 mg/kg (Oral, rat) LD50: > 5,000 mg/kg (Dermal, rabbit)
623-53-0	N/A	N/A
21324-40-3	N/A	N/A
108-32-7	FF9650000	LD50: 29.1mL/kg (oral, rat) LD50: 20mL/kg (skin, rabbit)

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No. 49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No. 680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No. 190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022) 27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574) 87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020) 89224310



7440-50-8	GL5325000	LD50: 3.5mg/kg (intraperitoneal mouse)
7429-90-5	BD0330000	N/A
7440-02-0	QR5950000	LD50: 250mg/kg (intratracheal rat)
25722-45-6	N/A	N/A
9002-86-2	KV0350000	N/A

Skin irritation/corrosion:

Composition: CAS#108-32-7

- Draize test, rabbit, skin: 500 mg Moderate.

Eye irritation/corrosion:

Composition: CAS#108-32-7

- Draize test, rabbit, eye: 60 mg Moderate.

Respiratory or Skin sensitisation: No data available.

Reproductive Cell Mutagenicity: No data available.

Carcinogenicity:

Composition: CAS#7440-02-0

- ACGIH: A5 Not suspected as a human carcinogen.
- California: carcinogen, initial date 10/1/89
- NTP: Suspect carcinogen.
- IARC: 2B-Possibly carcinogenic to humans.

Composition: CAS#9002-86-2

- IARC: Group 3-Not classifiable as to carcinogenicity to humans.
- Not listed as a carcinogen by AGGIH, NTP, or CA Prop 65.

Other compositions in this chemical product are not listed as carcinogens by AGGIH, NTP, or CA Prop 65.

Reproductive Toxicity: No data available.

Specific target organ toxicity-Single exposure:

Composition: CAS#7782-42-5

- Inhalation - May cause respiratory irritation.

Specific target organ toxicity-Repeated exposure: No data available.

Aspiration hazard: No data available.

Potential Health Effects:

- **Eye: No health effects are expected under normal use. If contact the Lithium ion batteries contained, may result in severe irritation and chemical burns.**
- **Skin: No health effects are expected under normal use. If contact the Lithium ion batteries contained, may cause skin chemical burns, redness and irritation.**

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing Tel: (010) 82618116	Building 35, No.680, Guiping Road, Xuhui District, Shanghai (021) 64851999	Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen (0755) 26050909	6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao (0532) 88706866
Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin Tel: (022)27360730	Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City (0574)87736499	Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou (020)89224310	

- **Ingestion: Ingestion is unlikely under normal use. Harmful if swallowed the electrolyte contained inside the battery. Exposure to the electrolyte contained inside the battery may cause severe chemical burn to mouth, esophagus and gastrointestinal system.**
- **Inhalation: No health effects are expected under normal use. If battery is broken, inhale fume/dust may cause respiratory irritation, cough, shortness of breath or chemical burns.**

Section 12 - Ecological Information

Ecological Toxicity:

Composition: CAS# 7440-50-8

- mortality LOEC - *Oncorhynchus mykiss* (rainbow trout) - 0.022 mg/l - 96 h
- LC50 - *Oncorhynchus mykiss* (rainbow trout) - 0.15 mg/l - 96 h
- mortality NOEC - *Daphnia* - 0.004 mg/l - 24 h
- mortality LOEC - *Daphnia* - 0.006 mg/l - 24 h
- EC50 - *Daphnia magna* (Water flea) - 0.04 - 0.05 mg/l - 48 h

Persistence and degradability: No data available.

Bioaccumulative Potential:

Composition: CAS# 7440-50-8

- *Cyprinus carpio* (Carp) - 40 d
- Bioconcentration factor (BCF): 108

Mobility in Soil: No data available.

PBT assessment: No data available.

Other Information: Do not allow this material to be released to the environment without proper treatment.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Disposal should be in accordance with applicable regional, national and local laws and regulations.

The generation of waste should be avoided or minimized wherever

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No. 49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No. 680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No. 190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022) 27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574) 87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020) 89224310

possible. Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7-Handling and Storage and Section 8-Exposure Controls/Personal Protection for additional handling information and protection of employees.

Section 14 - Transport Information

Regulated as a hazardous material for transportation. (IATA DGR 55th, IMDG Code 36-12 edition, UN TDG Rev.18)

UN: 3480

UN Classification: 9

UN proper Shipping Name: Lithium ion batteries+(including lithium polymer batteries)

Packaging Sign:



Packaging group: II

Marine Pollutant (Y/N): No

Transport in bulk according to MARPOL73/78 Annex II and the IBC Code: N/A

The UN38.3 test passed, the report: Shanghai Pony Test Technical Co., Ltd., No. H12122107121D

The 1.2m drop test passed, the report: Shanghai Pony Test Technical Co., Ltd., No. H12122107221D

Other Information: Special provisions 188/230/310/348/957 under IMDG CODE 2012 edition, and 965 section II under IATA DGR 55th edition.

Transport Fashion: By air, By sea, By rail, By road.

Packaging information: Double pit corrugated paper.

Shipping Notice: Batteries must be separated from each other and prevent movement that could lead to short-circuits. Products must also be packed in strong packaging that can withstand the rigors normal to

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No.680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866



transportation. These products are labeled in accordance to requirements for cargo shipments of Li-polymer batteries and cells. The batteries should maintained at 10%-50% state of charge transport. Away from high temperature and open fire.

Section 15 - Regulatory Information

Regulatory Information: Reference to the local, national, US, EU, CA and international regulations.

Table with 4 columns: CAS No., TSCA, IECSC, DSL/NDSL. Rows list various CAS numbers and their regulatory status (Listed/Unlisted) across different regulatory frameworks.

Reference laws and regulations:

- List of reference laws and regulations including ISO 11014: 2009, TDG (18 version), IATA DGR (55th Edition), IMDG Code (2012 edition), GHS (ST/SSG/AC.10/30/Rev.5), and TSCA.

www.ponytest.com & Hotline 400-819-5688

Address information for various regional offices: Beijing, Shanghai, Shenzhen, Qingdao, Tianjin, Ningbo City, and Guangzhou.



Pony Testing International Group

Report ID: H12162030316D

Page 13 of 14

- California Proposition 65
- Inventory of Existing Chemical Substances in China (IECSC)
- Canadian Environmental Protection Act (CEPA)
- European Inventory of Existing Commercial chemical Substances (EINECS)
- European List of Notified Chemical Substances (ELINCS)

Section 16 - Additional Information

Issue Time: 2014-1-14

Issue Department: Technical department

Data review unit:

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

ACGIH: (American Conference of Governmental Industrial Hygienists) ; AEL: (DUPONT'S Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence); BCF: (Bioconcentration Factor) ; BOD: (Biochemical oxygen demand) ; CAS: (Chemical Abstracts Service) ; DSL: (the Domestic Substances List of Canada) ; EC: (European Commission) ; EC50: (Median effective concentration) ; ENCS (MITI No.) : (Existing and New Chemical Substances of Japan) ; IARC: (International Agency for Research on Cancer) ; IATA: (International Air Transport Association) ; IECSC: (Inventory of Existing Chemical Substances in China) ; LC50: (Lethal concentration, 50 percent kill) ; LD50: (Lethal dose, 50 percent kill) ; NDSL: (the Non-domestic Substances List of Canada) ; NIOSH: (US National Institute for Occupational Safety and Health) ; NOEC: (No observed effect concentration) ; NTP: (US National Toxicology Program) ; OSHA: (US Occupational Safety and Health) ;

www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No.680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022)27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574)87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020)89224310

PONY 谱尼测试
Pony Testing International Group



Pony Testing International Group

Report ID: H12162030316D

Page 14 of 14

PC-STEL: (Permissible concentration-time weighted average) ; PC-TWA: (Permissible concentration-short time exposure limit) ; PEL: (Permissible Exposure Level) ; REL: (Recommended Exposure Limit) ; RTECS: (Registry of Toxic Effects of Chemical Substances) ; STEL: (Short Term Exposure Limit) ; TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations) ; TLV: (Threshold Limit Value) ; TOD: (Total Organic Carbon) ; TSCA: (Toxic Substances Control Act of USA) ; TWA: (Time Weighted Average)



www.ponytest.com & Hotline 400-819-5688

Add: Yingzhi Building, No.49-3, Suzhou Road, Haidian District, Beijing
Tel: (010) 82618116

Building 35, No.680, Guiping Road, Xuhui District, Shanghai
(021) 64851999

Building 6, Zhongxing Industry City, Chuangye Road, Nanshan District, Shenzhen
(0755) 26050909

6th Floor, No.190, Zhuzhou Road, Laoshan District, Qingdao
(0532) 88706866

Add: Ying huan Building, Hongqi Road, Nan kai district, Tianjin
Tel: (022)27360730

Phase 2 Building 4, No 150 Xinhui Rd, Gaoxin Dist, Ningbo City
(0574)87736499

Building 3, No 189 Hai Zhu Techno park, Dun He Road, Hai Zhu District, Guangzhou
(020)89224310