

# 浙江野马电池有限公司

ZHEJIANG MUSTANG BATTERY Co., LTD

TEL&FAX:0086-574-86593227

## 物质安全资料表 (MSDS)

### 一、物品与厂商资料/Product and Company Identification

物品名称/Product Name	锂-二氧化锰扣式电池/Li-MnO <sub>2</sub> BUTTON CELL
物品编号/Product Code	CR1632/CR1632
制造商或供应商名称、地址及电话/Address & Tel. of Manufacturer or Agent	浙江野马电池有限公司；浙江省宁波市镇海区骆驼镇荣吉路818号/ZHEJIANG MUSTANG BATTERY Co., LTD
紧急联络电话/传真电话/Emergency Phone Number/Fax	TEL&FAX:0086-574-86593227

### 二、成份辨识资料/Composition, Information on Ingredients

成份名称/Component Chemical Name & Common Names	化学文摘社登记号码/CAS No.	约重量 (mg) /about weight (mg)	浓度(成份百分比)/Concentration (Percentage)	
铅 (Lead)	7439-92-1	0	0ppm	
镉 (Cadmium)	7440-43-9	0	0ppm	
汞 (Mercury)	7439-97-6	0	0ppm	
六价铬 (Hexavalent Chromium)		0	0ppm	
聚联苯 (PCB)		0	0ppm	
聚氯化萘 (PCN)		0	0ppm	
氯代烷烃 (CP)		0	0ppm	
聚氯三联苯 (PCT)		0	0ppm	
聚溴联苯 (PBB)		0	0ppm	
包含十溴联苯醚 (DecaBDE) 的聚溴二苯醚 (PBDE)		0	0ppm	
其他有机溴化合物 (Other Organic Bromine Compounds)		0	0ppm	
三丁基锡化合物, 三苯基锡化合物 (Tributyl Tin Compounds, Chlorotriphenyl Tin Compounds)	1461-22-9 4618-18-2	0	0ppm	
石棉 (Asbestos)	14567-83-0	0	0ppm	
特定偶氮化合物 (Special Azo Compounds)		0	0ppm	
甲醛 (Formaldehyde)	50-00-0	0	0ppm	
聚氯乙烯 (PVC) 及其混合物		0	0ppm	
合计		0%	0%	
正极壳 (Nickel)	(不锈钢) Stainless steel	12597-68-1	687.00	40.18%
负极盖 (Negative can)	(不锈钢) Stainless steel	12597-68-1	515.00	30.12%
密封圈 (Copper)	(聚丙烯) Polypropylene	9003-07-0	38.00	2.22%
正极片 (Positive Plate (Electrolysis MnO <sub>2</sub> ))	电解二氧化锰 (Manganese powder)	1313-13-9	321.78	18.82%
	乙炔黑 (Teflon)	9002-84-0	13.99	0.82%
	石墨粉 (Graphite)	7782-42-5	13.99	0.82%
锂片 (Lithium sheet)		7439-93-2	20.39	1.19%
电解液 (Electrolyte)	高氯酸锂 (Lithium Perchlorate)	7791-03-9	16.20	0.95%
	碳酸丙烯酯 (Propylene carbonate)	108-32-7	32.40	1.89%
	乙二醇二甲醚 (1,2-dimethoxyethane)	110-71-4	32.40	1.89%
隔膜 (Diaphragm)	(聚丙烯) Polypropylene	9003-07-0	18.85	1.10%
合计		1710.00	100.00%	

三、危害辨識資料/ Hazard Identification		
最重要危害效應 /Most Important Health Hazards and Reactions	健康危害效應/Health Hazards and Reactions	吞食可能造成腸胃不適感，腹痛等/Derour possibility bringing about indisposed feeling of belly, Abdominal pain wailing ect
	環境影響/Environmental Impact	無/NO
	物理性及化學性危害 /Physical and Chemical Hazards	無/NO
	特殊危害/Specific Hazards	無/NO
主要症狀/Cardinal Symptoms		無/NO
物品危害分類/Hazard Classification		
四、急救措施/ First Aid Measures		
最重要症狀及危害效應/Most Important Symptoms and Hazard Reactions		腹痛/ Abdominal pain
對急救人員之防護/Protection to First-Aid Attendants		無/NO
對醫師之提示/Suggestions to Doctors		無/NO
五、滅火措施/ Fire Fighting Measures		
適用滅火劑/Suitable Extinguishing Media		黃沙、水泥、泥土等 / Yellow Sand, Cement, Soil, ect
滅火時可能遭遇之特殊危害/Special Hazards in Fire		爆炸/Explosion
特殊滅火程序/Special Fire-Fighting Procedures		無/NO
消防人員之特殊防護設備/Required Special Protective Equipment for Fire-Fighters		正常/Normal
六、洩漏處理方法/ Accidental Release Measures		
個人應注意事項/ Personal Precautions		無/NO
環境注意事項/Environmental Precautions		因產品為固態，故不存在滲透潛在性危害/As a result of solid products, so there is no infiltration of potential hazards
清理方法/Methods for Cleaning		請勿隨意丟棄，可交當地有資質的金屬回收公司回收/Do not arbitrarily discarded ,can payqualified local metal recycling companies recovery
七、安全處置與儲存方法/ Handling and Storage		
處置/Handling		請勿埋入土壤中，避免對土壤產生污染./Do not buried in the soil ,prevent soil pollution
儲存/ Storage		在常溫下，請避免電池相互疊放/At room temperature, avoid mutual stacked battery
八、暴露預防措施/ Exposure Controls, Personal Protection		
工程控制/ Engineering Measures		
控制參數/ Control Parameters : · 八小時日時量平均容許濃度(TWA)/短時間時量平均容許濃度(STEL)/最高容許濃度(CEILING): · 生物指標/ BEIs		
個人防護設備/ Personal Protection Equipment		無/NO
· 呼吸防護/Respiration		無/NO
· 手部防護/Hand		無/NO
· 眼睛防護/Eye		無/NO
· 皮膚及身體防護/Skin & Body		無/NO
衛生措施/Hygiene Measures		無/NO
九、物理及化學性質/ Physical and Chemical Properties		
物質狀態/ State of Substance		固體/Soid
形狀/Appearance		扁圓形/Obrate shape

氣味/Odor	無/NO	
顏色/Color	金屬色/Metal Color	
pH值/pH Value	中性/Neutral	
沸點/沸點範圍/Boiling Point		
分解溫度/Decomposing Temperature		
閃火點/Flashpoint: °F °C; 測試方法/ Test Methods		
自燃溫度/Self-Igniting Temperature		
爆炸界限/Explosion Limits		
蒸氣壓/Vapor Pressure		
蒸氣密度/Vapor Density		
重量/Total Weight	1.79g	
鋰成分重量/the weight of the Lithium	40mg	
密度/Density	1.3~1.5	
溶解度/Dissolution		
十、安定性及反應性/Stability and Reactivity		
安定性/Stability	安定/Stability	
特殊狀況下可能之危害反應/Possible Hazard Reaction Under Special Conditions	無/NO	
應避免之狀況/Conditions to Avoid	避免強酸物質/Avoid strong Acid Substances	
應避免之物質/Materials to Avoid	避免強酸物質/Avoid strong Acid Substances	
危害分解物/Hazardous Decomposition Products	無/NO	
十一、毒性資料/ Toxicological Information		
急毒性/Acute Toxicity	無/NO	
局部效應/Local Reactions	無/NO	
致敏感性/Sensitivity	無/NO	
慢毒性或長期毒性/Chronic or Long Term Toxicity	無/NO	
特殊效應/Special Reactions	無/NO	
十二、生態資料/ Ecological information		
可能之環境影響/環境流佈/Possible Environmental Impact/Environmental Run-offs	無/NO	
十三、廢棄處置方法/Disposal considerations		
廢棄處置方法/Disposal Methods	可交當地有資質的金屬回收公司回收/Deliverable the local metal recycling companies which have qualified to recovery	
十四、運送資料/Transport information		
國際運送規定/International Transportation Regulations:	該電池符合UN38.3安全運輸規定要求。Cell and batteries must meet the requirements of the UN Manual of Tests and Criteria, Part III, sub-section 38.3. (The document No. is UN07.040)	
聯合國編號/UN Reference No.		
國內運送規定/Domestic Transportation Regulations:		
特殊運送方法及注意事項/Special Transportation Methods and Precautions:		
十五、法規資料/Regulatory information		
適用法規/Applicable Regulation		
十六、其他資料/Other information		
參考文獻 Ref. Document		
製表單位/Department	名稱/Dept. Name	浙江野馬電池有限公司/ZHEJIANG MUSTANG BATTERY Co., LTD
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製表人 /Made By	職稱/Title:	姓名(簽章) Name(Signature): 王世杰

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