

# MATERIAL SAFETY DATA SHEET 材料安全数据表

# Lithium Polymer Rechargeable Battery

锂离子可充电电池

**Model: Lithium-ion Polymer Battery** 

型号: 锂离子电池

LPN388463-4630mAh

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# **Material Safety Data Sheet**

# 材料安全数据表

#### **Section 1-Chemical Product and Company Identification**

#### 第1节-化学品及企业标识

#### Product Identification 产品标识

Lithium-Ion polymer battery 软包锂离子电池

LPN388463-4630mAh

Nominal Voltage 标称电压: 3.88V

Equivalent Lithium content 相应锂含量: <20Wh

#### Manufacturer 生产供应商

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#### **Section 2-Composition/Information on Ingredients**

#### 第2节-成分/组成信息

Chemical Composition 化学成分	Molecular Formula 分子式	Weight% 重量%	CAS No CAS 号	OSHA (PEL)	ACGIH (TLV)
LiCoO2 钴酸锂	LiCoO <sub>2</sub>	<50%	12190-79-3	N/A	N/A
Polyvinylidene fluoride 聚偏二氟乙烯	(CH <sub>2</sub> CF <sub>2</sub> ) n	<2%	24937-79-9	N/A	N/A
Graphite powder 石墨粉	С	<30%	7782-42-5	N/A	N/A
Electrolyte 电解液	LiPF6 C3H4O3 C4H6O3 C5H10O3	<20%	21324-40-3	N/A	N/A

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Polyethylene 聚乙烯	(C <sub>2</sub> H <sub>4</sub> ) n	0.5-5%	9002-88-4	N/A	N/A
Copper foil 铜箔	Cu	<10%	7440-50-8	N/A	N/A
Nickel 镍	Nickel	0.5-5%	7440-02-0	N/A	N/A
Aluninum foil 铝箔	Al	0.5-5%	7429-90-5	N/A	N/A

#### **Section 3-Hazards Identification**

# 第3节-危害识别

Preparation	Not dangerous with normal use. Do not dismantle, open or shred Li-ion Battery.
hazards and	Exposure to the ingredients contained within or their ingredients products could be harmful.
classification	正常使用无风险。禁止拆解、打开或破坏锂离子电池。
制备危害和	接触电池内部所含成分或其他原料会造成危害。
分类	
Appearance,	Solid object with no odor, no color.
Color, and	固体物质,无色,无味
Odor 外观,颜	
色和气味	
Primary	These chemicals are contained in a sealed stainless steel enclosure. Risk of exposure occurs
Route(s) of	only if the cell is mechanically, thermally or electrically abused to the point of
Exposure	compromising the enclosure. If this occurs, exposure to the electrolyte solution contained
主要泄露途	within can occur by Inhalation, Ingestion, Eye contact and Skin contact.化学品存放在密闭
径	的不锈钢壳内,只有当电芯受到机械、加热或强电磁辐射,损害钢壳时,才会有泄漏
	的风险。如果发生这种情况,
Potential	ACUTE (short term): see Section 8 for exposure controls In the event that this battery has
Health	been ruptured, the electrolyte solution contained within the battery would be corrosive and
Effects 潜 在	can cause burns.
健康危害:	Inhalation: Inhalation of materials from a sealed battery is not an expected route of
	exposure. Vapors or mists from a ruptured battery may cause respiratory irritation.
	Ingestion: Swallowing of materials from a sealed battery is not an expected route of
	exposure. Swallowing the contents of an open battery can cause serious chemical burns of
	mouth, esophagus, and gastrointestinal tract.
	Skin: Contact between the battery and skin will not cause any harm. Skin contact with
	contents of an open battery can cause severe irritation or burns to the skin.
	Eye: Contact between the battery and the eye will not cause any harm. Eye contact with
	contents of an open battery can cause severe irritation or burns to the eye.
	CHRONIC (long term): see Section 11 for additional toxicological data



	急性(短期):如果电池破裂,电池内部具有腐蚀性的电解液会导致灼伤,关于泄漏管控的措施,请参阅第8节。
	吸入:正常情况下无法从密闭电池中吸入有害物质。电池破裂产生的蒸汽或雾可能会 引起呼吸道刺激。
	摄入:正常情况下无法从密闭电池中摄入有害物质。吞下破损电池内的物质会导致严重的口腔、食道和胃肠道化学烧伤。
	皮肤接触: 电池和皮肤间的接触不会造成危害。皮肤接触破损电池内的物质会造成严重的刺激或灼伤。
	眼睛: 电池和眼睛间的接触不会造成危害。眼睛接触破损电池内的物质会造成严重的 刺激或灼伤。
	慢性(长期): 有关其他有毒物质说明,请参阅第11节。
Medical	Not applicable
Conditions	不适用
Aggravated	
by	
Exposure	
医疗状况加	
剧泄漏	
Reported as	Not applicable
carcinogen	不适用
致癌物质报	
道	

#### **Section 4-First-aid Measures**

# 第4节-急救措施

Inhalation	If contents of an opened battery are inhaled, remove source of contamination or move victim		
吸入	to fresh air. Obtain medical advice.		
	如果吸入打开电池内部的化学物质,要及时清理污染源或将人转移到空气新鲜处,并		
	在医生的建议下治疗。		
Skin contact	If skin contact with contents of an open battery occurs, as quickly as possible remove		
皮肤接触	contaminated clothing, shoes and leather goods. Immediately flush with lukewarm, gently		
	flowing water for at least 30 minutes. If irritation or pain persists, seek medical attention.		
	Completely decontaminate clothing, shoes and leather goods before reuse or discard.		
	如果皮肤接触到打开电池内部的化学物质,请尽快清除受污染衣物、鞋子和皮革制品。		
	立即用流动的温水轻轻冲洗至少30分钟。如果仍然感到刺激或疼痛,请立即就医。并		
	在重新使用或丢弃之前,彻底清除受污染的衣物、鞋子和皮革制品。		

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Eye contact	If eye contact with contents of an open battery occurs, immediately flush the contaminated
眼睛接触	eye(s) with lukewarm, gently flowing water for at least 30 minutes while holding the eyelids
印以1月1久/元	
	open. Neutral saline solution may be used as soon as it is available. If necessary, continue
	flushing during transport to emergency care facility. Take care not to rinse contaminated
	water into the unaffected eye or onto face. Quickly transport victim to an emergency care
	facility.
	如果眼睛接触到打开电池内部的化学物质,请立即用流动的温水轻轻冲洗至少30分
	钟,并保持眼睛张开,使用中性盐水溶液更佳。必要时,在送往急救室治疗时继续保
	持冲洗。注意不要将受污染的水冲洗到未受伤的眼睛或脸部。需要立即将其送医治疗。
Ingestion	If ingestion of contents of an open battery occurs, never give anything by mouth if victim is
摄入	rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth
	thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 60 to 240 mL
	(2-8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of
	aspiration. Have victim rinse mouth with water again. Quickly transport victim to an
	emergency care facility.
	如果摄入打开电池内部的化学物质,受害人当即失去意识或产生抽搐,请勿用口过渡
	任何东西。用水彻底清洗受害人口腔。不要催吐,让受害人饮下 60~240mL(2~8 oz.)
	的水。若受害人自动呕吐,则将其前倾,降低误吸风险。并再次用水清洗受害人口腔,
	并立即送医。

#### **Section 5-Fire Fighting Measures**

# 第5节-消防措施

Flammable	In the event that this battery has been ruptured, the electrolyte solution contain within the
Properties	battery would be flammable. Like any sealed container, battery cells may rupture when
易燃性	exposed to excessive heat; this could result in the release of flammable or corrosive
	materials.
	如果电池破裂,则电池内含有的电解液具有易燃性。与其他密闭容器一样,电池在过
	热条件下可能会发生爆炸;这可能导致易燃性或腐蚀性物质释放。
Suitable	Use extinguishing media suitable for the materials that are burning.
extinguishing	使用适合扑灭燃烧材料的灭火器。
Media	
合适的灭火	
器	
Unsuitable	Not available
extinguishing	无法使用。
Media	
不当的灭火	
器	
Explosion	Sensitivity to Mechanical Impact: This may result in rupture in extreme cases
Data	Sensitivity to Static Discharge: Not Applicable

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机械冲击的灵敏性: 在极端情况下可能导致破裂
静放电的灵敏性: 不适用
Fires involving Li-ion Battery can be controlled with water. When water is used, however,
hydrogen gas may evolve. In a confined space, hydrogen gas can form an explosive mixture.
In this situation, smothering agents are recommended to extinguish the fire
锂离子电池起火可以用水扑灭。然而水与锂离子电池接触,可能会有氢气产生。在有
限的空间内,氢气会形成爆炸性混合物。在这种情况下,建议用窒息性灭火器灭火。
As for any fire, evacuate the area and fight the fire from a safe distance. Wear a
pressure-demand, self-contained breathing apparatus and full protective gear.
Fight fire from a protected location or a safe distance. Use NIOSH/MSHA approved
full-face self-contained breathing apparatus(SCBA) with full protective gear.
对于任何火灾,应撤离火灾区域,并在安全范围内灭火。穿戴加压器,自给式呼吸器
和全套的防护装备。
从保护区或安全距离灭火。使用 NIOSH/MSHA 认可的全面自给式呼吸器和全套的防护
装备。
Health: 0 Flammability: 0 Instability: 0
健康: 0 易燃性: 0 不稳定性: 0

#### **Section 6-Accidental Release Measures**

# 第6节-泄露应急处理

Personal Precautions, protective equipment, and	Restrict access to area until completion of
emergency procedures	clean-up. Do not touch the spilled material. Wear
个人预防、防护设备和急救措施	adequate personal protective equipment as
	indicated in Section 8.
	禁止进入污染区直到清理完成。禁止触摸泄漏物
	质。按第8节穿戴好个人防护装备。
Environmental Precautions	Prevent material from contaminating soil and
环境预防	from entering sewers or waterways.
	防止材料污染土壤,下水道或水道。
Methods and materials for Containment	Stop the leak if safe to do so. Contain the spilled
遏制方法和材料	liquid with dry sand or earth. Clean up spills
	immediately.
	在能确保安全的情况下,阻止继续泄漏。用干沙或
	泥土掩埋泄漏出的液体。立即清理泄露物质。



Methods and materials for cleaning up	Absorb spilled material with an inert absorbent (dry
清理方法和材料	sand or earth). Scoop contaminated absorbent into an
	acceptable waste container.
	Collect all contaminated absorbent and dispose of
	according to directions in Section 13. Scrub the area
	with detergent and water; collect all contaminated
	wash water for proper disposal.
	用惰性吸收剂(干沙或泥土)吸收泄漏出的物质。
	将用完的吸收剂放入可接受的废物容器中。
	收集所有受污染的吸收剂,并按第13节中的说明
	进行处理。用洗涤剂和清水擦洗该区域; 收集所有
	受污染的洗涤水,以便妥善处理。

# **Section 7-Handling and Storage**

# 第7节-操作处置和储存

Handling	Don't handling Li-ion Battery with metalwork. Do not	
操作处置	open, dissemble, crush or burn battery.	
	Ensure good ventilation/ exhaustion at the workplace.	
	Prevent formation of dust. Information about	
	protection against explosions and fires: Keep ignition	
	sources away- Do not smoke.	
	禁止使用金属制品处理锂离子电池。禁止打开、拆	
	卸、碾压或烧毁电池。	
	确保工作场所良好的通风。	
	防止灰尘堆积。注意防止爆炸和火灾的提示:远离	
	火源-禁止吸烟。	
Storage	If the Li-ion Battery are subject to storage for such a	
储存	long term as more than 3 months, it is recommended	
	to recharge the Li-ion Battery periodically.	
	3 months: -10 $^{\circ}$ C $\sim$ +40 $^{\circ}$ C , 45 to 85%RH And	
	recommended at $0^{\circ}\text{C} \sim +35^{\circ}\text{C}$ for long period storage.	
	The capacity recovery rate in the delivery state (50%	
	capacity of fully charged) after storage is assumed to	
	be 80% or more. The voltage for a long time storage	
	shall be 3.70V~3.80V range.	
	如果锂离子电池长期储存超过3个月,建议定期给	
	锂离子电池进行充电。	
	3 个月: 温度-10℃~+40℃, 湿度 45~ 85%RH。建议	
	在0℃~+35℃长期储存。电池储存后,在交付状态	
	下(50%满充容量)的容量恢复率假设在 80%或以	
	上。长期储存的电压应在 3.70~3.80V。	



Do not storage Li-ion Battery haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.

Keep out of reach of children.

Do not expose Li-ion Battery to heat or fire.

Avoid storage in direct sunlight.

Do not store together with oxidizing and acidic materials.

禁止将锂离子电池杂乱放置在盒子或抽屉中,否则它们可能会相互碰撞发生短路或者与其他金属物体接触发生短路。

请将本品放在儿童不能接触的地方。

禁止将锂离子电池暴露在高温或火中。

避免阳光直射。

禁止与氧化物质和酸性物质一同储存。

#### **Section 8-Exposure Controls/Personal Protection**

#### 第8节-接触控制/个人防护

Engineering Controls	Use local exhaust ventilation or other engineering
工程控制	controls to control sources of dust, mist, fumes and
	vapor. Keep away from heat and open flame. Store in
	a cool, dry place.
	使用局部排气通风或其他工程控制来管控灰尘、烟
	雾和蒸汽的来源。远离热源和明火, 存放在阴凉干
	燥处。
Personal Protective Equipment	Respiratory Protection: Not necessary under
个人防护设备	normal conditions.
	Skin and body Protection: Not necessary under
	normal conditions, Wear neoprene or nitrile rubber
	gloves if handling an open or leaking battery.
	Hand protection: Wear neoprene or natural rubber
	material gloves if handling an open or leaking
	battery.
	Eye Protection: Not necessary under normal
	conditions, Wear safety glasses if handling an open or
	leaking battery.
	呼吸系统防护:没有必要
	正常情况:
	皮肤和身体防护: 在正常条件下不需要, 如果处理

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	打开或泄露的电池,请戴上氯丁橡胶或丁腈橡胶手
	套。
	手部防护: 如果处理打开或泄露的电池, 请戴上氯
	丁橡胶或丁腈橡胶手套。
	眼部防护:在正常条件下不需要,如果处理打开或
	泄露的电池,请戴上安全镜。
Other Protective Equipment	Have a safety shower and eye wash fountain readily
其他防护设备	available in the immediate work area.
	您可以在附近的工作区域随时使用安全淋浴和洗
	眼器。
Hygiene Measures	Do not eat, drink, or smoke in work area.
卫生措施	Maintain good housekeeping.
	禁止在工作区域进食、饮水或吸烟。
	保持良好的卫生管理。

# Section 9-Physical and Chemical Properties 第9节-物理和化学特性

Physical	Form: Solid 外形: 坚固	
State 物理状态	Color: Green 颜色: 绿色	
	Odour: Monotony 气味: 无味	
Change in condit	Change in condition 条件变化:	
pH, with indication	h indication of the concentration Not applicable	
PH 值:表示浓度	度	不适用
Melting point/fre	ezing point 熔点/凝固点	Not available.不适用
Boiling Point, ini	tial boiling point and Boiling	Not available.
Range 沸点,初	沸点和沸腾范围:	不适用
Flash Point 闪	点	Not available. 不适用
Upper/lower flan	nmability or explosive limits	Not available. 不适用
可燃性或爆炸上	/下限	
Vapor Pressure 素	蒸汽压力:	Not applicable 不适用
Vapor Density: (A	Air = 1) 蒸汽密度: (空气=1)	Not applicable 不适用
Density/relative of	desity 密度/相对密度	Not available. 不适用
Solubility in Water: 水中的溶解度		Insoluble 不溶



n-octanol/water partition coefficient	Not available.
正辛醇/水分配系数	不适用
Auto-ignition temperature 自燃温度	If possible remove cell(s)from fire fighting area.if
	heated above 130 °C ,cell(s)can explode/ent. Cell is
	not flammable but internal organic material will burn
	if the cell is incinerated.
	如果可能的话,将电芯移出消防区域。如果加热超
	过 130℃以上, 电芯会发生爆炸。电芯本身不易燃,
	但如果电芯被烧毁,内部的有机物质会燃烧。
Decomposition temperature 分解温度	Not available. 不适用
Odout threshold 气味极限	Not available. 不适用
Evaporation rate 蒸发率	Not available. 不适用
Flammability (soil, gas)易燃性(土壤,气体)	Not available. 不适用
Viscosity 粘性	Not applicable 不适用

# Section 10- Stability and Reactivity

# 第10节-稳定性和反应性

Stability 稳定性	The product is stable under normal conditions. 产品
	在正常条件下稳定。
Conditions to Avoid (e.g. static discharge, shockor vibration)避免情况(如:静电放电,冲击振动)	Do not subject Li-ion Battery to mechanical shock.
Vioration)避免情况(如: 即电放电,平山派列)	Vibration encoutered during transportation does not cause leakage, fire or explosion.
	Do not disassemble, crush, short or install with
	incorrect polarity. Avoid mechanical or electrical
	abuse.
	禁止让锂离子电池受到机械冲击。
	运输过程中受到的振动不会导致漏液、起火或爆
	炸。
	禁止拆解、挤压,将正负极短路或反装。避免机械
	或电气滥用。
Incompatible Materials 不相容材料	Not Available 不适用
Hazardous Decomposition Products 危险的分解产物	This material may release toxic fumes if burned
	or exposed to fire 该材料可能在燃烧或起火时释放

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		有害气体。
Possibility of Hazardous Reaction	有害反应的可	Not Available 不适用
能性		

#### **Section 11-Toxicological Information**

# 第11节-毒理学资料

Irritation 刺激性	Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may
	occur. 只有当电芯受到机械、加热或电滥用损害外壳时, 才会对人体有刺激风险。如果发生这种情况,可能 会对皮肤、眼睛和呼吸道产生刺激。
Sensitization 致敏性	Not Available 不适用
Neurological Effects 神经系统的影响	Not Available 不适用
Teratoaenicity 致畸性	Not Available 不适用
Reproductive Toxicity 生殖毒性	Not Available 不适用
Mutagenicity (Genetic Effects) 诱变性(遗传效应)	Not Available 不适用
Toxicologically Synergistic Materials 毒理学协同材料	Not Available 不适用

# **Section 12-Ecological Information**

#### 第12节-生态学资料

General note:	Water hazard class 1(Self-assessment): slightly
一般注意事项:	hazardous for water.
	Do not allow undiluted product or large quantities
	of it to reach ground water, water course or
	sewage system.
	水危害级别1(自我评估):对水有轻微污染
	禁止将未稀释或大量的产品倒入地下水、水源或污

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	水处理系统中。
Anticipated behavior of a chemical product in	Not Available 不适用
environment/possible environmental	
impace / ecotoxicity	
Mobility in soil 土壤中的移动性	Not Available 不适用
Persistence and Degradability 持久性和降解性	Not Available 不适用
Bioaccumulation potential 富集可能性	Not Available 不适用
Other Adverse Effects 其他不良影响	Not Available 不适用

#### **Section 13-Disposal Considerations**

#### 第13节-废弃处置注意事项

Product disposal recommendation: Observe local, state and federal laws and regulations. Packaging disposal recommendation: Be aware discarded batteries may cause fire, tape the battery terminals to insulate them. Don't disassembly the battery. Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local, state and federal laws and regulations.

产品废弃处理建议:遵守当地,州和联邦的法律法规。包装废弃处理建议:请注意丢弃的电池可能会引起火灾,请将电池两端用胶带隔离。禁止拆卸电池。将电池容器完全放电(无残液,无剩余粉末,避免刮擦)。容器可以回收或重复使用。遵守当地,州和联邦的法律法规。

The potential effects on the environment and human health of the substances used in batteries and accumulations; the desirability of not disposing of waste batteries and accumulators as unsorted municipal waste and of participating in their separate collection so as to facilitate treatment and recycling.

电池和蓄电池中的使用的物质对环境和人体健康的潜在影响;不将电池和蓄电池作为未分类的城市垃圾处理,将其单独收集以便进行处理和回收。

#### **Section 14-Transport Information**

#### 第11节-运输信息

This report applies to by sea, by air and by land;本报告适用于海运、空运、陆运;

The Li-ion Battery tested according to the requirements of the 7th revised edition of the UN manual of tests and Criteria, Part III, subsection 38.3;

锂离子电池按照联合国测试和标准手册第7次修订版(第Ⅲ部分,第38.3小节)的要求进行测试;

Lithium 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;

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保护锂离子电池,防止短路。包括防止在同一包装内与导电材料相接触,从而造成短路;

The LITHIUM ION BATTERY according to Section II of PACKING INSTRUCTION 965-967 of the IATA Dangerous Goods regulations 63rd Edition may be transported and applicable U.S.DOT regulations for the safe transport of Li-ion Battery.

锂离子电池运输根据 IATA 危险品法规第 63 版包装规范第 965-967 章第 II 节,并适用于美国国防部关于锂离子电池安全运输的规定。

More information concerning shipping, testing, marking and packaging can be obtained from label master at <a href="http://www.labelmaster.com/">http://www.labelmaster.com/</a>.

关于运输,测试,标签和包装的更多信息,请访问http://www.labelmaster.com/

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.

包装应尽量避免在运输、搬运和堆放的过程受到机械损伤。包装应选择能够防止意外导电、腐蚀和浸湿的设计和材料。

The package must be handled with care and that a flammability hazard exists if the package is damaged; Each package must be labeled with a Li-ion Battery handling label or in addition to the Class 9 hazard label. With regard to transport, the following regulations are cited and considered:

包装必须小心处理,如果包装破损,则存在易燃危险;每个包装必须贴上锂离子电池处理标签,或除9类危险品标签外的标签。关于锂离子电池的运输,可以引用和论证以下规定:

- The International Civil Aviation Organization (ICAO) Technical Instructions.
- 国际民用航空组织(ICAO)技术说明。
- The International Air transport Association (IATA) Dangerous Goods Regulations. UN number of lithium battery: UN3480 or UN3481;
- 国际航空运输协会(IATA)危险货物规定。锂电池UN号: UN3480 或 UN3481;

UN Proper shipping name/Description (technical name): Lithium ion batteries or Lithium ion batteries contained in equipment or Lithium ion batteries packed with equipment;

UN特定的运输名称/描述(技术名称): 锂离子电池或安装在设备中或与设备包装在一起的锂离子电池 UN Classification (Transport hazard class): Non dangerous;

UN分类 (运输危险类): 非危险;

Marine pollutant (Y/N): Y;

海洋污染物(是/否): 是;

- The International Maritime Dangerous Goods (IMDG) Code.
- 国际海运危险货物(IMDG)准则

For lithium-ion batteries by sea, provided that packaging is strong and prevent the products from short-circuit. UN number of lithium battery: UN3480 or UN3481;

锂离子电池海上运输,需要包装牢固,防止电池短路。锂电池UN号: UN3480 或 UN3481;

UN Proper shipping name/Description (technical name): Lithium ion batteries or Lithium ion batteries contained in equipment or Lithium ion batteries packed with equipment;

UN特定的运输名称/描述(技术名称): 锂离子电池或安装在设备中或与设备包装在一起的锂离子电池;

UN Classification (Transport hazard class): Non dangerous; Marine pollutant (Y/N): Y;

UN分类(运输危险类): 非危险; 海洋污染物(是/否): 是;

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

特别规定: 国际海运危险货物(IMDG)准则188, 230, 310, 348, 957;

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- The US Hazardous Materials Regulation (HMR) pursuant to a final rule issued by RSPA
- 美国危险品法规(HMR)根据RSPA发布的最终法规
- The Office of Hazardous Materials Safety within the US Department of Transportations' (DOT) Research and Special Programs Administration (RSPA)
- 美国交通部危险品安办公室(DOT)研究所和特殊项目管理局(RSPA)

#### **Section 15-Regulatory Information**

第15节-法规信息

OSHA hazard communication standard (29 CFR 1910.1200) OSHA 危害通信标准(29 CFR 1910.1200)

\_\_\_\_\_Hazardous危险 \_\_\_\_\_V\_\_Non-hazardous无危险

#### **Section 16-Other Information**

#### 第16节-其他信息

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