

材料安全数据表

MATERIAL SAFETY DATA SHEET

产品名称 : 移动电源
Goods Name : Power Bank

型号 : PH80 Pro
Model Name

申请人 : 深圳罗马仕科技有限公司
Applicant : Shenzhen Romoss Technology Co., Ltd.

报告编号 : KS2012S02225B04
Report Number

发行日期 : January 04, 2021
Issue Date

(制作)

Written by:

杨洁

(批准)

Approved by:

杨龙

广东科正技术服务有限公司
KSIGN(Guangdong) Testing Co., Ltd.

检验检测专用章



材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

*这份材料安全数据表是根据客户提供的信息编辑，其内容和格式按客户要求来修订。

* The MSDS is prepared based on the information provided by client. The contents and formats of this MSDS are revised as per client's request.

1. 标识 IDENTIFICATION

产品识别码
Product identifier --

产品名称
Product Name 移动电源(型号: PH80 Pro)
Power Bank (Model: PH80 Pro)

其他识别方式
Other means of identification

产品描述
Product description 额定: Rating: 3.7V, 20000mAh, 74Wh
重量: Weight: Appr. 463.0g
尺寸: Dimensions: Max.:22.7*80.2*167.0(mm)

商标
Trademark N/A

建议使用该化学品和使用限制
Recommended use of the chemical and restrictions on use

推荐用途
Recommended Use N/A

使用限制
Restrictions on use 无相关资料
No information available

材料安全数据表供应商的详细信息
Details of the supplier of the Material safety data sheet

供应商
Initial supplier identifier 深圳罗马仕科技有限公司
Shenzhen Romoss Technology Co., Ltd.

地址
Address 深圳市南山区高新区北区松坪山齐民道3号宇阳大厦4楼南
4/F, South Yuyang Building, No.3 Qimin Rd, Songpingshan, Northern Section,
Hi-tech Industrial Park, Nanshan District, Shenzhen, P.R. China.

电话
Telephone +86-755-86649039

网址
Website <http://www.romoss.com.cn/>

邮箱
E-mail qinhr1@romoss.com

紧急电话
Emergency telephone number

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

紧急电话号码
Company Emergency Phone
Number

+86-755-86649039

2. 危险性概述

HAZARDS IDENTIFICATION

分类
Classification 锂离子电池
LITHIUM ION BATTERIES

急性毒性-皮肤 Acute toxicity - Dermal	类别4 Category 4
皮肤腐蚀/刺激 Skin corrosion/irritation	类别1 子类别B Category 1 Sub-category B
严重眼损伤/眼刺激 Serious eye damage/eye irritation	类别1 Category 1
皮肤过敏 Skin sensitization	类别1 Category 1
致癌性 Carcinogenicity	类别1B Category 1B
特殊器官毒性（反复接触） Specific target organ toxicity (repeated exposure)	类别1 Category 1

GHS标签要素，包括预防声明

GHS Label elements, including precautionary statements

提示语：危险
Signal Word: Danger

危险标签图
Hazard Label



危险声明

Hazard statements

这是电池。如果破裂：

This is a battery. In case of rupture:

皮肤接触有害

Harmful in contact with skin

引起严重的皮肤灼伤和眼睛损伤

Causes severe skin burns and eye damage

可能引起皮肤过敏反应

May cause an allergic skin reaction

可能导致癌症

May cause cancer



材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

长期或反复接触会对器官造成伤害

Causes damage to organs through prolonged or repeated exposure

CAS#7429-90-5

根据GHS分类

Classification according to GHS

与水接触会散发出易燃气体的物质和混合物 (2, 3)

Substances and mixtures which, in contact with water, emit flammable gases (2, 3)

特定目标器官毒性, 反复接触 (1) (呼吸系统)

Specific target organ toxicity, repeated exposure (1) (respiratory system)

H261与水接触释放出易燃气体

H261 in contact with water releases flammable gas

H372长期或反复接触会对器官造成损害 (呼吸系统)

H372 causes damage to organs through prolonged or repeated exposure (respiratory system)

CAS# 7440-50-8

根据GHS分类

Classification according to GHS

皮肤过敏 (1, 1A, 1B)

Sensitisation, skin(1, 1A, 1B)

特定目标器官毒性, 单次接触 (1) (消化系统)

Specific target organ toxicity, single exposure (1)(digestive system)

特定目标器官毒性, 单次接触; 呼吸道刺激 (3)

Specific target organ toxicity, single exposure; Respiratory tract irritation(3)

H317可能引起皮肤过敏反应

H317 May cause an allergic skin reaction

H370对器官 (消化系统) 造成损害

H370 causes damage to organs (digestive system)

H335可能引起呼吸道刺激

H335 May cause respiratory irritation

预防声明-预防

Precautionary Statements - Prevention

CAS#7429-90-5

P223禁止与水接触。

P223 Do not allow contact with water.

P231 + P232在惰性气体下处理和储存物品, 防止受潮。

P231+ P232 Handle and store contents under inert gas, protect from moisture.

P280戴防护手套, 穿防护服, 戴防护眼罩和戴防护面具。

P280 wear protective gloves, protective clothing, eye protection and face protection.

P260请勿吸入灰尘。

P260 Do not breathe dust.

P264处理后彻底清洗皮肤和衣物。

P264 wash skin and clothing thoroughly after handling.

P270使用本产品时请勿进食, 饮水或吸烟。

P270 Do not eat, drink or smoke when using this product.

CAS# 7440-50-8

P260不要吸入粉尘, 烟雾。

P260 Do not breathe dust, fume.

P272受污染的工作服不得带出工作场所。

P272 contaminated work clothing should not be allowed out of the workplace.

P280戴防护手套, 护目镜, 防护面罩。

P280 wear protective gloves, eye protection, face protection.

P264处理后彻底清洗皮肤和衣物。

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

P264 wash skin and clothing thoroughly after handling.
P270 使用本产品时请勿进食，饮水或吸烟。
P270 Do not eat, drink or smoke when using this product.
P271 仅在室外或通风良好的地方使用。
P271 use only outdoors or in a well-ventilated area.

预防声明-回应

Precautionary Statements - Response

CAS#7429-90-5

P302+ P335+ P334 如皮肤接触：擦去皮肤上的细小颗粒，然后浸入冷水中。
P302+ P335+ P334 IF ON SKIN: Brush off loose particles from skin and immerse in cool water.
P370+ P378 万一着火，请使用适当的介质灭火。
P370+ P378 in case of fire: use the appropriate media put out the fire.
P314 如果感觉不适，请就医。
P314 Get medical advice if you feel unwell.

CAS# 7440-50-8

P302 + P352 如皮肤接触：用大量水冲洗。
P302+ P352 IF ON SKIN: wash with plenty water.
P333 + P313 如果发生皮肤刺激或皮疹：请就医。
P333 +P313 if skin irritation or rash occurs: Get medical advice.
P321 具体治疗方法（请参阅其他紧急指示）。
P321 specific treatment (see additional emergency instructions).
P362 + P364 脱下被污染的衣服，并在重新使用之前洗净。
P362+ P364 Take off contaminated clothing and wash it before reuse.
P308 + P311 如果暴露或担心：致电解毒中心。
P308+ P311 IF exposed or concerned: call a POISON CENTER.
P304 + P340 如误吸入：将人转移到新鲜空气处并保持呼吸舒适。
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 如果您感到不适，请致电解毒中心。
P312 call a POISON CENTER if you feel unwell.

眼睛

Eyes

立即致电解毒中心或医生

Immediately call a POISON CENTER or doctor

如果进入眼睛：用水小心冲洗几分钟。取出隐形眼镜（如果有）并且易于操作。

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

继续冲洗

Continue rinsing

皮肤

Skin

如果您感到不适，请致电解毒中心或医生

Call a POISON CENTER or doctor if you feel unwell

脱下污染的衣服并洗净后再使用

Take off contaminated clothing and wash it before reuse

如皮肤（或头发）接触：立即脱掉所有被污染的衣服。用水冲洗皮肤[或淋浴]

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

如果发生皮肤刺激或皮疹：求医/就诊。

If skin irritation or rash occurs: Get medical advice/attention.

再次使用前，请清洗受污染的衣物。



材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

Wash contaminated clothing before reuse.

吸入

Inhalation

如果吸入：将人转移到新鲜空气处并保持呼吸舒适。

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

立即致电解毒中心或医生。

Immediately call a POISON CENTER or doctor.

摄取

Ingestion

如果误吞：漱口。不要催吐。

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

预防声明-存放

Precautionary Statements - Storage

储存锁上。

Store locked up.

预防声明-处置

Precautionary Statements – Disposal

将内装物/容器处置到批准的废物处理厂。

Dispose of contents/container to an approved waste disposal plant.

其他信息

Other information

吞咽可能有害。对水生生物剧毒对水生生物剧毒，具有长期持续影响。

May be harmful if swallowed Very toxic to aquatic life Very toxic to aquatic life with long lasting effects.

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

3. 成分信息

COMPOSITION/INFORMATION ON INGREDIENTS

物质

Substance

不适用。
Not applicable.

混合物

Mixture

化学成分 Chemical Composition	化学式 Chemical Formula	重量百分比 Weight(%)	CAS编号 CAS Number
钴酸锂 Lithium Cobalt Oxide	LiCoO ₂	36-38	12190-79-3
石墨 Graphite	C ₂₄ X ₁₂	20-22	7782-42-5
铜 Copper	Cu	9-10	7440-50-8
铝 Aluminium	Al	5-6	7429-90-5
碳酸乙烯酯 Ethylene Carbonate	C ₃ H ₄ O ₃	14-16	96-49-1
聚丙烯 Polypropylene	(C ₃ H ₆) _n	6-7	9003-07-0
碳酸甲乙酯 Ethyl Methyl Carbonate	C ₄ H ₈ O ₃	5-7	623-53-0
六氟磷酸锂 Lithium Hexafluorophosphate	LiPF ₆	5-6	21324-40-3

4. 急救措施

FIRST AID MEASURES

急救措施声明

Description of first aid measures

一般建议

General advice

密封电池破裂时,应采取急救措施。向医生出示此材料安全数据表。需要立即就医。如果接触到或有疑虑: 求医/就诊。

First aid is upon rupture of sealed battery. Show this Material safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.

吸入

Inhalation

移到空气清新处。如果呼吸停止,请进行人工呼吸。立即就医。如果受害人摄入或吸入该物质,请勿使用口对口方法。借助配备有单向阀或其他适当的呼吸医疗设备的口罩进行人工呼吸。如果呼吸困难,(受过训练的人员)给予输氧。可能会出现延迟性肺水肿。

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

眼睛接触 Eye contact

立即用大量水冲洗眼睑下至少15分钟。冲洗时睁大眼睛。请勿摩擦患处。取出隐形眼镜（如果有）。继续冲洗。立即获得医疗建议/护理。

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

皮肤接触 Skin contact

立即用肥皂和大量水冲洗，同时脱掉所有被污染的衣服和鞋子。立即获得医疗建议/护理。可能引起皮肤过敏反应。

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention. May cause an allergic skin reaction.

摄取 Ingestion

不要催吐。用水清洁口腔，然后再喝大量水。切勿给失去知觉者从嘴里喂食任何东西。立即获得医疗建议/护理。

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

急救人员的自我保护 Self-protection of the first aider

确保医务人员了解所涉及的材料，采取预防措施以保护自己并防止污染扩散。穿着个人防护服（请参阅第8章节）。避免接触皮肤，眼睛或衣服。避免直接接触皮肤。使用屏障进行口对口复苏。

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

最重要的症状和影响，急性的和延迟的

Most important symptoms and effects, both acute and delayed

病征 Symptoms

灼热的感觉。瘙痒。皮疹。麻疹。
Burning sensation. Itching. Rashes. Hives.

需要立即就医和特殊治疗

Indication of any immediate medical attention and special treatment needed

提示 Note to physicians

产品是腐蚀性材料。禁忌洗胃或呕吐。胃或食道可能穿孔。不要使用化学解毒剂。可能会发生声门水肿引起的窒息。泡沫痰和高脉压可能会导致血压明显下降。可能引起易感人群过敏。对症治疗。

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitization in susceptible persons. Treat symptomatically.

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

5. 消防措施

FIRE-FIGHTING MEASURES

<p>灭火剂 Suitable Extinguishing Media</p>	<p>使用适合当地情况和周围环境的灭火措施。 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p>
<p>火灾 Large Fire</p>	<p>注意：灭火时使用喷水可能效率不高。 CAUTION: Use of water spray when fighting fire may be inefficient.</p>
<p>异常的灭火剂 Unsuitable extinguishing media</p>	<p>不要用高压水流溅洒溢出的材料。 Do not scatter spilled material with high pressure water streams.</p>
<p>化学物质引起的特殊危害 Specific hazards arising from the chemical</p>	<p>该产品会灼伤眼睛，皮肤和粘膜。热分解会导致释放刺激性的气体和蒸气。产品是或包含敏化剂。皮肤接触可能引起过敏。 The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.</p>
<p>燃烧产生的危险物品 Hazardous Combustion Products</p>	<p>碳氧化物。 Carbon oxides.</p>
<p>爆炸数据 Explosion Data</p>	<p>无。 None.</p>
<p>对机械冲击的敏感性 Sensitivity to Mechanical Impact</p>	<p>无。 None.</p>
<p>对静电的敏感性 Sensitivity to Static Discharge</p>	<p>无。 None.</p>
<p>消防人员的特殊保护设备 Special protective equipment for fire-fighters</p>	<p>消防人员应穿戴自给式呼吸器和完整的消防道岔装备。使用个人防护设备。 Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.</p>

6. 泄露应急处理

ACCIDENTAL RELEASE MEASURES

个人预防措施，防护装备和应急程序

Personal precautions, protective equipment and emergency procedures

<p>个人预防措施 Personal precautions</p>	<p>避免接触皮肤，眼睛或衣服。确保足够的通风。根据需要使用个人防护设备。注意！腐蚀性物质。将人员疏散到安全区域。让人们远离溢出/泄漏的上风。 Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Attention! Corrosive material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.</p>
--	---

其他信息

Other Information

请参阅第7章节和第8章节中列出的防护措施。
Refer to protective measures listed in Sections 7 and 8.

堵塞和清理的方法和材料

Methods and material for containment and cleaning up

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

遏制方法

Methods for containment

如果安全，请防止进一步的泄漏或溢出。

Prevent further leakage or spillage if safe to do so.

清理方法

Methods for cleaning up

拾起并转移到贴有正确标签的容器中。

Pick up and transfer to properly labeled containers.

7. 操作处置和储存

HANDLING AND STORAGE

安全处理的注意事项

Precautions for safe handling

安全处理建议

Advice on safe handling

破裂时：按照良好的工业卫生和安全规范进行操作。避免接触皮肤，眼睛或衣服。万一通风不良，请穿戴适当的呼吸设备。仅在密闭系统中处理产品或提供适当的排气通风。使用本产品时请勿进食，饮水或吸烟。脱下污染的衣服并洗净后再使用。

In case of rupture: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

安全存放的条件，包括任何不兼容性

Conditions for safe storage, including any incompatibilities

储藏条件

Storage Conditions

保持容器密闭在干燥，阴凉和通风良好的地方。储存锁上。防潮。放在儿童接触不到的地方。远离其他材料存放。

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from moisture. Keep out of the reach of children. Store away from other materials.

8. 接触控制和个体防护

EXPOSURE CONTROLS/PERSONAL PROTECTION

工程控制

Engineering Controls

使用局部排气通风或其他工程控制措施来控制粉尘，薄雾，烟雾和蒸气的来源。远离热源和明火。储存在阴凉，干燥的地方。

Use local exhaust ventilation or other engineering controls to control sources of dust, mist, fumes and vapor.

Keep away from heat and open flame. Store in a cool, dry place.

个人防护设备

Personal Protective Equipment

呼吸系统防护：在正常情况下不需要。

皮肤和身体防护：在正常情况下是不必要的，如果处理打开或泄漏的电池，请穿戴适当的防护服和手套。

手部防护：如果处理打开的电池或泄漏的电池，请戴上合适的手套。

眼睛防护：在正常情况下是不必要的，如果处理打开或泄漏的电池，请戴安全眼镜。

Respiratory Protection: Not necessary under normal conditions.

Skin and body Protection: Not necessary under normal conditions, Wear suitable protective clothing and gloves if handling an open or leaking battery.

Hand protection: Wear suitable gloves if handling an open or leaking battery.

Eye Protection: Not necessary under normal conditions, Wear safety glasses if

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

handling an open or leaking battery.

其他防护装备
Other Protective Equipment

在紧邻的工作区域内应备有安全淋浴和洗眼喷泉。
Have a safety shower and eye wash fountain readily available in the immediate work area.

卫生措施
Hygiene Measures

请勿在工作区饮食，吸烟或吸烟。保持良好的内务管理。
Do not eat, drink, or smoke in work area. Maintain good housekeeping.

9. 物理和化学特性

PHYSICAL AND CHEMICAL PROPERTIES

基本理化性质信息

Information on basic physical and chemical properties

物理状态	固体
Physical state	Solid
颜色	白色
Color	White
气味	无相关资料
Odor	No information available
气味值	无相关资料
Odor Threshold	No information available

属性

Property

价值

Values

备注方法

Remarks Method

酸碱度	不适用	未知
pH	No data available	None known
熔点/凝固点	不适用	未知
Melting / freezing point	No data available	None known
沸点、沸点范围	不适用	未知
Boiling point / boiling range	No data available	None known
易燃度	不适用	未知
Flash Point	No data available	None known
蒸发	不适用	未知
Evaporation Rate	No data available	None known
易燃性(固体, 气体)	不适用	未知
Flammability (solid, gas)	No data available	None known
空气中的可燃极限	--	未知
Flammability Limit in Air		None known
自燃上限	不适用	--
Upper flammability limit	No data available	
自燃下限	不适用	--
Lower flammability limit	No data available	
蒸汽压	不适用	未知
Vapor pressure	No data available	None known
蒸汽密度	不适用	未知
Vapor density	No data available	None known
相对密度	不适用	未知
Relative density	No data available	None known
水溶性	不溶于水	--
Water Solubility	Insoluble in water	

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

溶解度 Solubility(ies)	不适用 No data available	未知 None known
分配系数: 乙醇/水 Partition coefficient: n-octanol/water	不适用 No data available	--
自燃温度 Autoignition temperature	不适用 No data available	未知 None known
分解温度 Decomposition temperature	不适用 No data available	未知 None known
运动粘性 Kinematic viscosity	不适用 No data available	未知 None known
动态粘性 Dynamic viscosity	不适用 No data available	未知 None known

其他信息

Other Information

爆炸特性

Explosive properties

氧化性

Oxidizing properties

软化点

Softening Point

分子量

Molecular Weight

挥发性有机化合物含量

VOC Content (%)

液体密度

Liquid Density

体积密度

Bulk Density

粒径

Particle Size

粒度分布

Particle Size Distribution

无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.
无相关资料
No information available.

10. 稳定性和反应活性

STABILITY AND REACTIVITY

反应活性

Reactivity

无相关资料
No information available.

化学稳定性

Chemical stability

在正常条件下稳定。
Stable under normal conditions.

危险反应的可能性

Possibility of Hazardous Reactions

在正常处理下无。
None under normal processing.

危险聚合性

Hazardous Polymerization

不会发生危险的聚合反应。
Hazardous polymerization does not occur.

应避免的条件

长时间暴露于空气或湿气中。

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

Conditions to avoid

Exposure to air or moisture over prolonged periods.

不兼容的材料

Incompatible materials

酸。碱。氧化剂。

Acids. Bases. Oxidizing agent.

危险分解产物

Hazardous Decomposition Products

碳氧化物。

Carbon oxides.

11. 毒理学资料

TOXICOLOGICAL INFORMATION

刺激

Irritation

仅当电池被机械，热或电滥用到危及外壳的程度时，才会发生刺激的危险。如果发生这种情况，可能会刺激皮肤，眼睛和呼吸道。

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.

敏化

Sensitization

无相关资料

No information available.

神经学作用

Neurological Effects

无相关资料

No information available.

致畸性

Teratogenicity

无相关资料

No information available.

生殖毒性

Reproductive Toxicity

无相关资料

No information available.

致突变性 (遗传效应)

Mutagenicity (Genetic Effects)

无相关资料

No information available.

毒理学协同材料

Toxicologically Synergistic Materials

无相关资料

No information available.

12. 生态学资料

ECOLOGICAL INFORMATION

生态毒性

Ecotoxicity

对水生生物有剧毒，并具有长期持续影响。

Very toxic to aquatic life with long lasting effects.

土壤中的流动性

Mobility in soil

无相关资料

No information available.

持久性和降解性

Persistence and Degradability

无相关资料

No information available.

生物蓄积潜力

Bioaccumulation potential

无相关资料

No information available.

其他不良影响

Other Adverse Effects

无相关资料

No information available.

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

13. 废弃处置

DISPOSAL CONSIDERATIONS

废物处理方法

Waste treatment methods

残留/未使用产品产生的废物

Waste from residues/unused products

根据当地法规进行处置。根据环境法规处理。

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

包装处理

Contaminated packaging

不要重复使用空容器。

Do not reuse empty containers.

14. 运输信息

TRANSPORT INFORMATION

UN编号

UN Number

-DOT, IMDG, IATA

UN 3480

运输信息

Transport information

移动电源（样品型号：PH80 Pro）已经过测试，并符合联合国《测试和标准手册》第三部分第 38.3 小节。

Power Bank (Sample Model: PH80 Pro) is tested and has passed in accordance with UN manual of Tests and Criteria, Part III, subsection 38.3.

货物应符合IATA第62版本DGR手册的包装声明965的II~IB节或IMDG CODE（第39-18版）的特殊规定188的要求。

The goods shall be complied with the requirements of Section II~IB of Packing Instruction 965 or of Section I of 62nd DGR Manual of IATA or special provision 188 of IMDG CODE (Amdt. 39-18).

运输时请分开存放锂离子电池，以防止发生短路。应将其包装在坚固的包装中，以在运输过程中提供固定，以确保货物不会掉落，掉落和破损，防止货堆倒塌和被雨淋湿。
Separate Lithium-ion batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport, ensure that the goods will not falling, dropping, and breakage, prevent collapse of cargo piles and wet by rain.

按照“ IATA-DGR的特殊规定A45”或“ IATA-DGR的特殊规定A45”运输时，以“锂电池”，“设备包装的锂电池”或“设备中包含的锂电池”运输的锂电池不得归类为“危险品”。IMO-IMDG规则的特殊条款188”。

Lithium batteries shipped as "Lithium batteries", "Lithium batteries packed with equipment", or "Lithium batteries contained in equipment" may not be classified as "Dangerous Goods" when shipped in accordance with "special provision A45 of IATA-DGR" or "special provision 188 of IMO-IMDG Code".

运输专用名称

Proper Shipping Name

锂离子电池（包括锂离子聚合物电池）

Lithium ion Batteries (Including lithium ion polymer batteries) or;

锂离子电池和设备包装在一起（包括锂离子聚合物电池）

Lithium ion Batteries packed with equipment (Including lithium ion polymer batteries) or;

材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

设备里内含锂离子电池（包括锂离子聚合物电池）
Lithium ion Batteries contained in equipment (Including lithium ion polymer batteries)

运输危险品条例 TDG	无 Not regulated
美国内陆运输 DOT	
危险等级 Hazard Class	9
紧急应变指南编号 Emergency Response Guide Number	147
国际空运危险货物规则 ICAO	无 Not regulated
国际航空运输协会-危险品规则 IATA	
危险等级 Hazard Class	9
国际海事危险品规则 IMDG/IMO	
危险等级 Hazard Class	9
危险品应急措施编号 EmS-No.	一般的灭火程序，易燃固体 F-A, S-I
国际危险货物铁路运输欧洲协定 RID	无 Not regulated
国际危险货物公路/道路国际运输欧洲协定 ADR	无 Not regulated
国际危险货物内河运输欧洲协定 ADN	无 Not regulated

15. 法规信息

REGULATORY INFORMATION

法律信息

Law information

- 《危险物品规则》
- 《Dangerous Goods Regulations》
- 《对危险货物运输的有关规定的建议》
- 《Recommendation on the Transport of Dangerous Goods Model Regulations》
- 《国际海运危险货物规则》
- 《International Maritime Dangerous Goods》
- 《危险品安全运输技术指令》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》



材料安全数据表

Material Safety Data Sheet

Report No.: KS2012S02225B04

- 《危险货物分类和品名编号》
- 《Classification and code of dangerous Goods》
- 《职业安全卫生法》
- 《Occupational Safety and Health Act》(OSHA)
- 《有毒物质控制法》
- 《Toxic Substance Control Act》(TSCA)
- 《消费产品安全法》
- 《Consumer Product Safety Act》(CPSA)
- 《联邦环境污染控制法》
- 《Federal Environmental Pollution Control Act》(FEPCA)
- 《石油污染法案》
- 《The Oil Pollution Act》(OPA)
- 《超级基金修正案和再授权法案III(302/311/312/313)》
- 《Superfund Amendments and Reauthorization Act Title III (302/311/312/313)》(SARA)
- 《资源保护及恢复法案》
- 《Resource Conservation and Recovery Act》(RCRA)
- 《安全饮用水法》
- 《Safety Drinking Water Act》(CWA)
- 《加州65提案》
- 《California Proposition 65》
- 《美国联邦法规》
- 《Code of Federal Regulations》(CFR)

根据所有联邦、州和地方法律。

In according with all Federal, State and local laws.

16. 其他信息

OTHER INFORMATION

NFPA

健康危害 1 易燃 0 不稳定性 0
Health hazards 1 Flammability 0 Instability 0

物理和化学特性
Physical and
Chemical Properties
个人防护
Personal Protection
X

HMIS

健康危害 0 易燃 0 身体危害 0
Health hazards 0 Flammability 0 Physical hazards 0

免责声明 Disclaimer

在本材料安全数据表发布之日起，就我们所知，所悉和所信，本材料安全数据表中的信息正确无误。所提供的信息仅作为安全处理，使用，加工，储存，运输，处置和释放的指导，并不被视为保修或质量规格。该信息仅与指定的特定材料有关，除非与文本中另有声明，否则不适用于与任何其他材料组合使用或在任何过程中使用的此类材料。

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

报告结束
End of Material Safety Data Sheet