

MATERIAL SAFETY DATA SHEET

MSDS DATE: 10/05/2024

FILE NO.:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HYBRID LANTERN

PRODUCT CODES: 41-3976

MANUFACTURER: HUANYA ELECTRONICS (THAILAND) CO., LTD.

ADDRESS: Village 4, That Thong Subdistrict, Bo Thong
Chonburi, Thailand

EMERGENCY PHONE: 86+13979674372

CHEMTREC PHONE: N/A

OTHER CALLS: N/A

FAX NUMBER: N/A

PRODUCT USE: 2*18650 Lithium battery 3.7V 2200mAh

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: (list out ingredient name and percentage, must total add up to 100%)

Part	Materials 原材料	Weight percentage 重量比例	Actual Weight 实际重量
Lamp body 灯罩	PC	23	138G
Plastic fasteners 塑料固定件	ABS	33.3	199.48G
Silicone parts 硅胶件	Silicone rubber	1.03	6.15G
Hardware 五金件	Stainless steel+iron	6.06	36.29G
Electronic parts 电子件	PCB+Wire rod	10.95	65.58G
Battery 电池	2*18650 Lithium battery	15.7	94.1G
Data cable 数据线	Plastic	2.24	13.4G
Package 包装	Paper+Plastic	7.72	46.2G

SECTION 3: HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: No health effects are expected

SKIN: No health effects are expected.

INGESTION: No health effects are expected.

INHALATION: No health effects are expected

CARCINOGENICITY

OSHA:

ACGIH:

NTP:

IARC:

OTHER: No conclusive data is available to indicate product or any component present is greater than 0.1% may cause cancer.

SECTION 4: FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

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EYES: No need for first aid is anticipated

SKIN: No need for first aid is anticipated

INGESTION: No need for first aid is anticipated

INHALATION: No need for first aid is anticipated

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not Applicable
(% BY VOLUME) **LOWER:** Not Applicable

FLASH POINT:

F: Not Applicable

C: Not Applicable

METHOD USED: Not Applicable

AUTOIGNITION TEMPERATURE:

F: Not Applicable

C: Not Applicable

NFPA HAZARD CLASSIFICATION

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

OTHER:

EXTINGUISHING MEDIA: Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide)

SPECIAL FIRE FIGHTING PROCEDURES: As with any fire, avoid inhalation of hazardous decomposition products. Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards are anticipated.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Not Applicable

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. Store under normal warehouse conditions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Not Applicable

VENTILATION: Not Applicable

RESPIRATORY PROTECTION: Avoid inhaling product.

EYE PROTECTION: Avoid eye contact.

SKIN PROTECTION: Gloves not required.

EXPOSURE GUIDELINES: None Established

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

ODOR: None

PHYSICAL STATE: Solid

pH AS SUPPLIED: N/A

pH (Other): N/A

BOILING POINT:

F: Not Applicable

C: Not Applicable

MELTING POINT:

F: Not Applicable

C: Not Applicable

FREEZING POINT:

F: Not Applicable

C: Not Applicable

VAPOR PRESSURE (mmHg):

@

F: Not Applicable

C: Not Applicable

VAPOR DENSITY (AIR = 1):

@

F: Not Applicable

C: Not Applicable

SPECIFIC GRAVITY (H₂O = 1):

@

F: Not Applicable

C: Not Applicable

EVAPORATION RATE: Not Applicable

BASIS (=1): Not Applicable

SOLUBILITY IN WATER: No

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not Applicable

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not Applicable

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Reclaim if feasible. If product cannot be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator.

SECTION 14: TRANSPORT INFORMATION

Factory: HUANYA ELECTRONICS (THAILAND) CO., LTD. **Phone:** 86+13979674372

UNRTDG

UN number	UN3481
Proper shipping name	Lithium-ion batteries container in equipment (including lithium-ion polymer batteries)
Class	9
Packing group	III
Labels	9

IATA-DGR

UN/ID No.	UN3481
Proper shipping name:	Lithium-ion batteries container in equipment (including lithium-ion polymer batteries)
Class	9
Packing group	III
Labels	Miscellaneous Lithium batt
Packing Instruction (Cargo aircraft)	967
Packing instruction (Passenger aircraft)	967
Environmentally Hazardous	Yes

IMDG-Code

UN number	UN3481
Proper shipping name	Lithium-ion batteries container in equipment (including lithium-ion polymer batteries)
Class	9
Packing group	III
Labels	9
EmS code	F-A, S-F
Marine pollutant	Yes

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

Contact **HUANYA ELECTRONICS (THAILAND) CO., LTD.**

311/312 HAZARD CATEGORIES:

Fire Hazard – No Pressure Hazard – No Reactivity Hazard – No Delayed Hazard - No

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued **HUANYA ELECTRONICS (THAILAND) CO., LTD.**

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