

MATERIAL SAFETY DATA SHEET

MSDS DATE: 05/01/2026

FILE NO.:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: USB Rechargeable Emergency Flashlight
PRODUCT CODES: 41-1360
MANUFACTURER: JIEYANG ZHAOXING PLASTIC HARDWARE PRODUCTS CO. LTD
ADDRESS: ZHAOXING INDUSTRIAL CITY, YU JIAO, JIE YANG, CHINA
EMERGENCY PHONE: +86 663 3212886
CHEMTREC PHONE: N/A
OTHER CALLS: N/A
FAX NUMBER: +86 663 3214886
PRODUCT USE: 18650 Lithium battery

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
Handle	PP	4.54	4.54G
Hook	ABS	1.72	1.72G
Cap	PP	5.67	5.67G
Cup	PS	19.45	19.45G
Reflected Plate	PS	6.11	6.11G
Mikly Cap	PS	2.27	2.27G
Body	ABS	23.24	23.24G
Switch	ABS	2.27	2.27G
End Cap	PS	5.67	5.67G
Pin	IRON	0.27	0.27G
Screw	IRON	0.13	0.13G
LED		1.08	1.08G
LED PCB		5.94	5.94G
Lithium Battery		21.62	21.62G

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:

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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.

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

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VENTILATION: Not Applicable

RESPIRATORY PROTECTION: Avoid inhaling product.

EYE PROTECTION: Avoid eye contact.

SKIN PROTECTION: Gloves not required.

EXPOSURE GUIDELINES: None Established

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

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ECOLOGICAL INFORMATION: Not Applicable

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

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: ZHAOXING INDUSTRIAL CITY, YU JIAO, JIE YANG, CHINA

Phone: +86 663 3212886

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 ZHAOXING INDUSTRIAL CITY, YU JIAO, JIE YANG, CHINA

311/312 HAZARD CATEGORIES:

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

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

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