MATERIAL SAFETY DATA SHEET

FILE NO.:

MSDS DATE: 02/02/2026

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	FLASHLIGHT
PRODUCT CODES:	41-2511
MANUFACTURER:	NINGBO EXPLORE TECHNOLOGY CO.,LTD
ADDRESS:	No. 669, BAOHUI ROAD FENGHUA DISTRICT NINGBO
EMERGENCY PHONE:	0574-88958227
CHEMTREC PHONE:	N/A
OTHER CALLS:	N/A
FAX NUMBER:	0574-88958227
PRODUCT USE:	AA HD 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
1	Body	PP+Rubber	31.3%	**56.7g / pack**
2	Reflector	PS	5.6%	**10.2g / pack**
3	Lens	PC	4.9%	**9g / pack**
4	PCB	FR-4	1.8%	**3.3g / pack**
5	3AA HD BATTERY	R03	19.9%	36.1g / pack
6	BATTERY HOUSE	ABS	5.5%	**10g / pack**
7	Tower Spring	Stainless Iron	1.2 %	**2.2g /pack**
8	Headwear	Rubber	8.2%	**14.9g / pack**
9	Button	Rubber	0.44%	**0.8g / pack**
10	Switch	ABS	0.39%	**0.7g / pack**
11	Switch fastener	ABS	0.44%	**0.8g / pack**
12	Switch handle	Stainless Iron	0.1%	**0.2g / pack**
13	Screw	Iron	0.33%	**0.6g / pack**
14	Tail Buckle	ABS	0.44%	**0.8g / pack**
15	Tail Buckle Spring	Stainless Iron	0.17%	**0.3g / pack**
16	Tail Buckle pin	Stainless Iron	0.1%	**0.2g / pack**
17	O-Ring	Rubber	0.17%	**0.3g / pack**
18	Switch fixing plate	ABS	0.17%	**0.3g / pack**
19	Blister pack	PET	4.35%	7.6
20	Paper card	Paper	14.5%	**26.2g / pack**

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.

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

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

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

Please contact the phone numbers listed on the first page of the MSDS for Transport Information for this material.

UNRTDG

UN number	N/A
Proper shipping name	N/A
Class	N/A
Packing group	N/A
Labels	N/A

IATA-DGR

UN/ID No.	N/A
Proper shipping name:	N/A
Class	N/A
Packing group	N/A
Labels	N/A
Packing Instruction (Cargo aircraft)	N/A
Packing instruction (Passenger aircraft)	N/A
Environmentally Hazardous	N/A

IMDG-Code

UN number	N/A
Proper shipping name	N/A
Class	N/A
Packing group	N/A
Labels	N/A
EmS code	N/A
Marine pollutant	N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

Contact NINGBO EXPLORE TECHNOLOGY CO.,LTD for more information.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

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