

MSDS REPORT

Sample Name: Lifejacket Light

Model No. : LNK-ML18

Sample Model: LNK-ML18

Sample Received Date: Sep. 19, 2019

Completed Date: Sep. 23, 2019

Client Unit: Xiamen Lonako Industry & Trade Co., Ltd

Client Address: N307, Weiye Building, China Pioneering Park for Overseas Chinese Scholars, Xiamen361009, Fujian, P. R.China

Client No. : 05925998

Manufacturer: Xiamen Lonako Industry & Trade Co., Ltd

Address: N307, Weiye Building, China Pioneering Park for Overseas Chinese Scholars, Xiamen361009, Fujian, P. R.China



Company No. 07113834

Signed for Beide (Shenzhen) Product Service Limited

Written by: _____

Chen Qin
(Chen Qin)

Inspected by: _____

Joseph
(Joseph)

Approved by: _____



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1. Identification of substance/preparation and company/undertaking

Identification of substance or preparation

Product name: Lifejacket Light

Company/undertaking identification

Manufacturer: Xiamen Lonako Industry & Trade Co., Ltd

Address: N307, Weiye Building, China Pioneering Park for Overseas Chinese Scholars, Xiamen361009, Fujian, P. R.China

2. Composition/information on ingredients

Chemical characterization: Mixture

Component	CAS No.	Weight(%)
copper sulfate	7758-98-7	14.2
magnesium alloy	7439-95-4	6.3
Copper	7440-50-8	1.4
polyethylene	9002-88-4	2.4
carbon	1333-86-4	1.2

3. Hazards identification

Emergency Overview

Physical Appearance: Ingredients of the Water Activated Battery are in solid form which is contained in a closed plastic housing.

Potential Health Effects: The battery is not a health hazard under normal condition of use.

Primary Entry Routes: N/A

Target Organs: N/A

Acute Effects: N/A

Inhalation: NO

Eyes: NO

Skin: NO

Ingestion: NO

Carcinogenicity: IARC, NTP, and OSHA do not list the product as a carcinogen.

Chronic Effects: NO

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4. First-aid measures

Inhalation: N/A
Ingestion: N/A
Skin contact: N/A
Eye contact: N/A
Further Treatment: N/A

5. Fire-fighting measures

Flash Point: NONE
Flash Point Method: NONE
Burning Rate: N/A
Auto-ignition Temperature: N/A
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Flammability Classification: N/A
Extinguishing Media: EXTINGUISHING POWDER APPROVED FOR USE ON Mg FIRES, BUT THERE WAS NO EXPLOSION
Unusual Fire or Explosion Hazards: BATTERY CONTAINS MAGNESIUM WHICH BURNS WHITE HOT
Hazardous Combustion Products: N/A
Fire-Fighting Instructions: EXTINGUISH WITH PURPLE K TYPE FIRE EXTINGUISHER

6. Accidental release measures

Spill/Leak Procedures: USE GENERAL CLEANUP PROCEDURES
Small Spills: NOT APPLICABLE
Large Spills: NOT APPLICABLE
Containment: NOT APPLICABLE
Cleanup: NOT APPLICABLE
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120)

7. Handling and storage

Handling Precautions: NONE
Storage Requirements: STORE IN DRY PLACE. Product is water activated. Do not expose to or contact water until ready to use.
Regulatory Requirements: N/A

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8. Exposure controls/personal protection

Protective Equipment: Under normal use - none normally required

Engineering Controls: NOT REQUIRED FOR NORMAL USE

Respiratory protection: Not required for normal use.

Hand protection: Not required for normal use.

Eye protection: Not required for normal use. Safety glasses are recommended during handling if the lifejacket light is opened.

Protective Clothing/Equipment: Not required for normal use. In the event of leakage wear chemical apron.

9. Physical and chemical properties

Physical State: Not applicable

Appearance and Odor: Not applicable.

PH: Not applicable

Flash Point: Not applicable

Flammability: Not applicable

Boiling Point: Not determined

Freezing/Melting Point: Not determined

Vapor Density: Not applicable

Vapor Pressure: Not applicable

Relative Density: Not applicable

Solubility (water): Insoluble

Solubility (other): Not applicable

Formula Weight: Not applicable

Evaporation Rate: Not applicable

10. Stability and reactivity

Stability: product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerizations: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Alkali metals, oxidizing agents.

Conditions to Avoid: NONE

Hazardous Decomposition Products: Not applicable

11. Toxicological information

Eye Effects: Not applicable

Skin Effects: Not applicable

Acute Inhalation Effects: Not applicable

Acute Oral Effects: Not applicable

Chronic Effects: Not applicable

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Report No. : B-R190925669
Carcinogenicity: Not applicable
Mutagenicity: Not applicable
Teratogenicity: Not applicable

12. Ecological information

Eco-toxicity: Not applicable
Environmental fate: Not applicable
Environmental Transport: Not applicable
Environmental Degradation: Not applicable
Soil Absorption/Mobility: Not applicable

13. Disposal considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.
Container Cleaning and Disposal: N/A
Disposal Regulatory Requirements: N/A

14. Transport information

DOT Transportation Data (49 CFR 172.101): The transportation of these batteries is not regulated by the US Department of Transportation or other major international regulatory bodies.
Shipping Symbols: Not applicable
Hazard Class: Not applicable
I.D. No. Not applicable
Packing Group: Not applicable
Label: Not applicable
Special Provisions: (172.102): Not applicable
Packing Authorizations
a) Exceptions: Not applicable
b) Non-bulk Packaging: Not applicable
c) Bulk Packaging: Not applicable
Quantity Limitations
a) Passenger, Aircraft, or Railcar: Not applicable
b) Cargo Aircraft Only: Not applicable
Vessel Stowage Requirements:
a) Vessel Stowage: Not applicable
b) Other:

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15. Regulatory information

EPA Regulations: NOT REGULATED

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

CERCLA Hazardous Substance (40 CFR 302.4) not listed specific per RCRA, Sec. 3001: CWA. Sec. 311 (b)(4): CWA, Sec. 307(a) CAA, Sec. 112

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

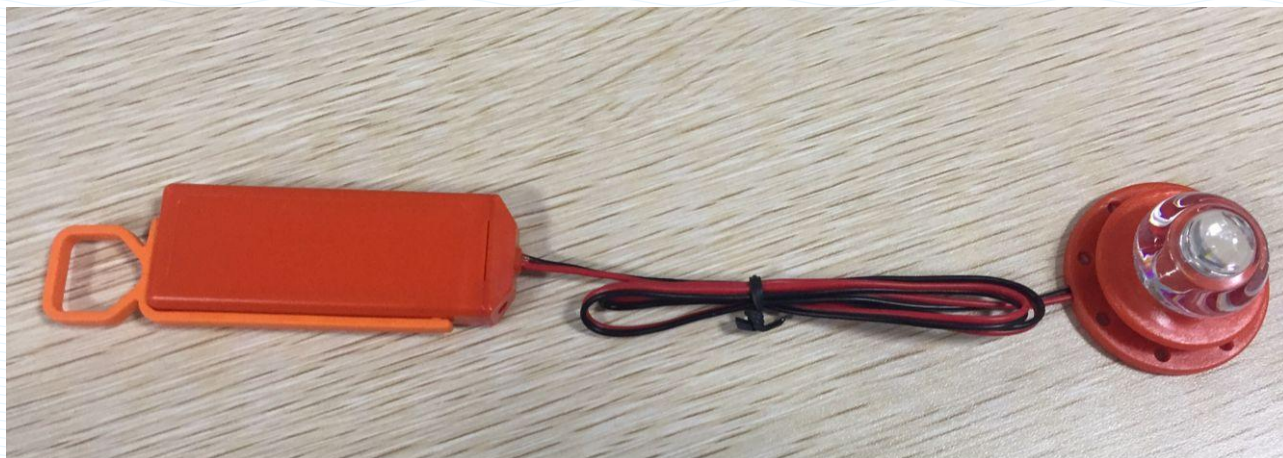
Air Contaminant (29 CFR 1910.1000. Table Z-1, Z-1-A): Not listed

16. Other information

The information is believed to be accurate and represents the best information available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine suitability of this information for their particular use.

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Photo of sample



*** End of report ***

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