

# MSDS REPORT

**Sample Name:** SURVIVOR LOCATOR LIGHT

**Model No. :** LNK-AL15

**Sample Model:** LNK-AL15

**Sample Received Date:** 2023-09-12

**Completed Date:** 2023-09-18

**Client Unit:** XIAMEN LONAKO INDUSTRY & TRADE CO., LTD

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

**Client ID:** CB4393

**Manufacturer:** XIAMEN LONAKO INDUSTRY & TRADE CO., LTD

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



Report Query

**Signed for Beide (Shenzhen) Product Service Limited**

Written by: Chen Qin  
(Chen Qin)

Inspected by: Austin Zhong  
(Austin Zhong)

Approved by: Martin Wang  
(Martin Wang)



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1. Identification of substance/preparation and company/undertaking

Identification of substance or preparation

Product name: SURVIVOR LOCATOR LIGHT

Company/undertaking identification

Manufacturer: XIAMEN LONAKO INDUSTRY & TRADE CO., LTD

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

2. 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

3. Composition/information on ingredients

Chemical characterization: Mixture

Component	CAS No.	Weight(%)
copper sulfata	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

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BEIDE (Shenzhen) Product Service Limited

Address: 6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'an Dist, Shenzhen, China

E-mail: admin@szbeide.com Phone: +86 0755 27454498 www.szbeide.com

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

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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  
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

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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:

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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