

Safety data sheet

LED lysbånd Fibrotech / SDS LED lights

Version 1.0

Effective date: 25-02-2026

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Trade name: LED lysbånd Fibrotech / SDS LED lights.

Nominal voltage: 3.7V.

Capacity: 1840mAh.

Energy: 6.808Wh.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Product use: Battery

Uses advised against: Use only for above.

1.3 Details of the supplier of the safety data sheet:

Company: TreeTops A/S
Bavnevej 32
6580 Vamdrup
Denmark
info@treetops.dk
Tel.: +45 70 266 233

1.4 Emergency telephone number:

Use your national or local emergency number

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture CLP No 1272/2008.

This product are classified as Articles under REACH and are not subject to the requirements for Information in the Supply Chain (Safety Data Sheets and Labels). While batteries may release hazardous substances if damaged, this is not an intended release as defined under REACH. Batteries are not classified as hazardous under the CLP.

2.2 Label elements CLP No 1272/2008:

Not classified.

2.3 Other hazards.

Not hazardous under normal use. Do not disassemble, open or short-circuit the Li-ion battery. Exposure to the substances in the product may be harmful.

The substances in the products are sealed in the battery. Exposure risks only occur when the battery has been mechanically, thermally or electrically damaged to such an extent that the battery has been punctured. If this occurs, exposure to the electrolyte solution may occur by inhalation, ingestion, eye contact and skin contact.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

CAS No	Name	Content %
12190-79-3	Lithium Cobalt Oxide	49.5
7782-42-5	Graphite	16.3
21324-40-3	Lithium hexafluorophosphate	10.96
7440-50-8	Copper	6.96
7429-90-5	Aluminium	7.6
9002-88-4	Polyethylene	4.03
24937-16-4	Nylon	3.93
24937-79-9	PVDF	0.33
9000-11-7	Carboxymethylcellulose	0.28
7440-02-0	Nickel	0.06
9003-55-8	SBR	0.05

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

If in contact with internal content:

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue.

Inhalation:

Remove from exposure and move to fresh air immediately. Use oxygen if available and necessary.

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- Skin contact:** Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
- Eye contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed:

In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media:** Copious amounts of cold water are an effective extinguishing medium for lithium batteries.

Unsuitable extinguishing media:

Don't use warm or hot water.
Don't use Halon type extinguishing material.

5.2 Special hazards arising from the substance or mixture

Toxic fumes; gases or vapors may evolve on burning.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear adequate personal protective equipment as indicated in section 8.
Restrict access to area until completion of clean-up.
Do not touch the spilled material. Avoid contact with eyes.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course

6.3 Methods and material for containment and cleaning up:

Damaged batteries that are not hot or burning should be placed in a sealed plastic bag or container.

Liquid:

Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash water for proper disposal.

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6.4 Reference to other sections:

See section 13 on "Disposal considerations" with regard to the handling of waste. See section 8 on 'Exposure controls/personal protection' for protective measures.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

The battery should not be opened, destroyed or incinerated, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container.

Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire.

Do not crush or puncture the battery or immerse in liquids.

Avoid mechanical or electrical abuse. Keep ignition sources away. Do not smoke. Avoid inhalation of any vapors if that may be emitted.

Other precautions:

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight.

7.3 Specific end use(s):

This product should only be used for applications described in Section 1.2

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits WEL (Great Britain):

Not relevant, the product is an article.

DNEL / PNEC:

Data not available.

8.2 Exposure controls

Appropriate technical measures:

No specific technical measures. Normally not necessary in normal use.

General information / hygiene measures:

Maintain good house keeping.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

Not necessary under normal conditions.

In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory Protection is not necessary under conditions of normal use.

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- Hand protection:** Not necessary under conditions of normal use.
Wear neoprene or natural rubber material gloves if handling an open or leaking battery.
- Eye protection:** Not necessary under conditions of normal use.
Wear safety glasses if handling an open or leaking battery.
- Body protection:** Not necessary under conditions of normal use.
Impervious working clothes if handling an open or leaking battery.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Physical state:	Solid
Colour:	Silver
Odour:	Odourless
Melting point/freezing point:	Not relevant/no data
Boiling point:	Not relevant/no data
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Not relevant/no data
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	Not relevant/no data
Kinematic viscosity:	Not relevant/no data
Solubility:	Insoluble in water
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	Not relevant/no data
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information:

None

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** No dangerous reaction known under conditions of normal use and storage.
- 10.2 Chemical stability:** The product is stable under the conditions, noted in the section on "Handling and storage".
- 10.3 Possibility of hazardous reactions:** No special.
- 10.4 Conditions to avoid:** Do not subject Li-ion Battery to mechanical shock. Vibration encountered during transportation does not cause leakage, fire or explosion. Do not disassemble, crush, short or install with incorrect polarity. Avoid mechanical or electrical abuse.
- 10.5 Incompatible materials:** Not available.

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10.6 Hazardous decomposition products:

This battery may release toxic fumes if burned or exposed to fire.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

Acute toxicity: Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitisation: Not classified.

Germ cell mutagenicity: Not classified .

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity – repeated exposure: Not classified.

Aspiration hazard: Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

Other information: No other relevant information.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not relevant, product is an article.

12.2 Persistence and degradability:
Not relevant.

12.3 Bioaccumulative potential:
Not relevant.

12.4 Mobility in soil: Not relevant.

12.5 Result of PBT and vPvB assesment:
No data available.

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12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Product disposal recommendation: Observe local, state and federal laws and regulations. Packaging disposal recommendation: Be aware discarded batteries may cause fire, tape the battery terminals to insulate them. Don't disassembly the battery. Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local, state and federal laws and regulations.

SECTION 14. TRANSPORT INFORMATION

This product is classified as dangerous of transport.
This LITHIUM-ION BATTERY has passed the test UN 38.3.

According to the Packing Instruction 965 - 967 of IATA DGR Manual 67th Edition for transport by air.
According to the Special provision 188 of IMDG CODE (Amdt.42-24) for transport by sea.

The battery can also be sent as UN 3481.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	3480	3480
14.2 UN proper shipping name	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES
14.3 Transport hazard class(es)	9	9
14.4 Packing group	II	II
14.5 Environmental hazards – MP EmS:	No F-A, S-I	No F-A, S-I
Other informations	LQ: 0 Tunnel: E	LQ: 0 Tunnel: E

14.6 Special precautions for user:

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments:

Not applicable.

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SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Layout used according to REACH 1907/2006 and CLP 1272/2008.

Additional information: -

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this product by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

Not relevant.

Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Descriptions of possible used abbreviations:

BCF Bioconcentration factor.

BOD Biochemical Oxygen Demand.

CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).

COD Chemical oxygen demand.

DNEL Derived No-Effect Level.

EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.

IMDG International Maritime Dangerous Goods Code.

LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.

LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.

log KOW n-Octanol/water.

MARPOL International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").

PBT Persistent, Bioaccumulative and Toxic.

PNEC Predicted No-Effect Concentration.

UN RTDG UN Recommendations on the Transport of Dangerous Goods.

vPvB Very Persistent and very Bioaccumulative.

Validated by:

SRS

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