

Material Safety Data Sheet (MSDS)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier: StixPrem1
- 1.2. Relevant identified uses: Mindfulness remote devices for children.
Uses advised against: Not intended for ingestion
- 1.3. Details of the supplier:
Company: Stix Mindfulness Ltd.
Address: 21 Alwyn Avenue
Phone: 07771-977993
Email: john@stixmindfulness.co.uk
- 1.4. Emergency telephone number: 07771-977993

SECTION 2: Hazards identification

- 2.1 Explosive Risk – This article does not belong to explosion dangerous goods
- 2.2 Flammable Risk – This article does not belong to flammable material
- 2.3 Oxidation Risk – This article does not belong to the oxidation of dangerous goods
- 2.4 Toxic Risk – This article does not belong to toxic dangerous goods
- 2.5 Radioactive Risk – This article does not belong to radiation dangerous goods
- 2.6 Mordant Risk – This article does not belong to corrosion dangerous goods
- 2.7 Other Risk – Lithium polymer battery pack 3.7V 400mAh with PCM, Watt hour rate 1.48Wh

Do not short circuit, puncture, incinerate, crush, immerse, force discharge or expose to temperatures above the declared operating temperature range of the product. Risk of fire or explosion. The rechargeable lithium-ion batteries described in this Product Safety Data Sheet are sealed units which are not hazardous when used according to the recommendations of the manufacturer.

Under normal conditions of use, the electrode materials and liquid electrolyte they contain are not exposed to the outside, provided the battery integrity is maintained and seals remain intact. Risk of exposure only in case of abuse (mechanical, thermal, electrical) which leads to the activation of safety valves and/or the rupture of the battery container. Electrolyte leakage, electrode materials reaction with moisture/water or battery vent/explosion/fire may follow, depending upon the circumstances.

2.2. Label elements:

- Precautionary Warning: Keep out of reach of children
- Precautionary pictograms: Not suitable for children under 3, WEEE mark
- H-statements: N/A

SECTION 3: Composition/information on ingredients

Hazardous Ingredients	Concentration (%)	CAS Number
Lithium Cobalt Oxide	49.5	12190-79-3
PVDF	0.33	24937-79-9
Aluminium	7.6	7429-90-5
Graphite	16.3	7782-42-5
SBR	0.05	9003-55-8

Carboxymethylcellulose	0.28	9000-11-7
Copper	6.96	7440-50-8
Nickel	0.06	7440-02-0
Lithium Hexafluorophosphate	10.96	21324-40-3
Polyethylene	4.03	9002-88-4
Nylon	3.93	24927-16-4

SECTION 4: First aid measures

- 4.1. Description: Ingestion: Seek medical advice.
- 4.2. Symptoms: Choking.
- 4.3. Indication of immediate medical attention: For swallowing.

SECTION 5: Firefighting measures

- 5.1. Characteristics of Hazard: Toxic fumes, gases or vapours may evolve on burning
- 5.2. Hazardous Combustion Products: CO, CO₂, HF, Phosphorous Flouride. May emit toxic fumes.
- 5.3. Extinguishing media: Copious amounts of cold water. Don't use Halon extinguishing methods. May use dry powder, sand and earth.
- 5.4. Advice: Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- 6.1. Personal precautions: Remove personnel from area until fumes dissipate. If the skin has come into contact with the electrolyte, it should be washed thoroughly with water.
- 6.2. Environmental precautions: Recycle or dispose in accordance with government, state & local regulations
- 6.3. Methods for containment: Sand or earth should be used to absorb any exuded material. Seal leaking battery and contaminated absorbent material in plastic bag and dispose of as Special Waste in accordance with local regulations.

SECTION 7: Handling and storage

- 7.1. Safe handling: Do not immerse in water. Do not directly heat or solder. Do not throw into fire.
- 7.2. Storage: Store in cool, dry, ventilated area. Keep away from heat sources.
- 7.3. Specific end uses: Handheld devices.

SECTION 8: Exposure controls/personal protection – N/A

- 8.1. No engineering or handling controls are required for handling batteries that have not been damaged.
- 8.2. Respiratory protection: In all fire situations, use self-contained breathing apparatus.
- 8.3. Hand protection: In the event of leakage wear chemical apron, gloves and safety glasses.

SECTION 9: Physical and chemical properties

- 9.1. Basic properties:
Appearance – Shade of silver with yellow top; Form – Flat, rectangular; Odour - odourless

SECTION 10: Stability and reactivity

- 10.1. Reactivity: Stable under normal temperatures, pressures and use.
- 10.2. Stability: Stable when stored as recommended.
- 10.3. Hazardous reactions: May emit vapours if overheated.
- 10.4. Conditions to avoid: Heat, flames, ignition sources and water.
- 10.5. Incompatible materials: Strong oxidizers.
- 10.6. Decomposition: Carbon oxides, phosphorus flouride, silicone fumes.

SECTION 11: Toxicological information

- 11.1. Signs & symptoms: None, unless battery ruptures. In the event of exposure to internal contents, corrosive fumes will be very irritating to skin, eyes and mucous membranes.
- 11.2. Effects: Irritant. Polycarbonate is generally non-toxic. Repeated skin contact or inhalation of spray mist may cause irritation. Overexposure can cause symptoms of non-fibrotic lung injury and membrane irritation.
- 11.3. Inhalation: Lung irritant
- 11.4 Skin contact: Skin irritant
- 11.5. Eye contact: Eye irritant
- 11.6. Ingestion: Tissue damage to throat and gastro-respiratory tract if swallowed
- 11.7. Medical conditions generally aggravated by exposure: In the event of exposure to internal battery contents, eczema, skin allergies, lung injuries, asthma and other respiratory disorders may occur

SECTION 12. Ecological Information

- 12.1 Mammalian effects: None known if used/disposed of correctly.
- 12.2 Eco-toxicity: None known if used/disposed of correctly.
- 12.3 Bioaccumulation potential: None known if used/disposed of correctly.
- 12.4 Environmental fate: None known if used/disposed of correctly.

SECTION 13: Disposal considerations

- 13.1. Recycle or dispose in accordance with government, state & local regulations
- 13.2. Do not incinerate, or subject cells to temperatures in excess of 70°C. Such abuse can result in loss of seal, leakage, and/or cell explosion. Dispose of in accordance with appropriate local regulations.

SECTION 14: Transport information

- 14.1. UN number: UN3481
- 14.2. Shipping name: UN3481 Lithium Ion Batteries Contained in Equipment
- 14.3. Packing group: Lithium Battery Label (Class 9 Hazard Label not required)
- 14.4. Special precautions: Use original packaging; ensure labelling.
- 14.5. Bulk transport: Not applicable

SECTION 15: Regulatory information

- 15.1. Safety/Health Regulations: UN38.3, tested for air and ocean transit

SECTION 16: Other information This MSDS is provided based on the best available data. It is the responsibility of the user to ensure safe handling and compliance with local regulations.