

Safety Data Sheet (SDS)

Tempus Fugit Archery Timer, RIFSNZ Limited

Lithium-Ion Batteries Contained in Equipment

SECTION 1: IDENTIFICATION

1.1. Product Identifier

- **Product Name:** The Tempus Fugit Archery Timer
- **Product Description:** An electronic archery timing device enclosed in a Boxco BC-AGS-081605 enclosure, powered by two internal rechargeable lithium-ion batteries.
- **Battery Details:** Contains two (2) SZNS 18650 Cylindrical Lithium-Ion cells (Model: GM40905FQ / 810145). 3.7V, 7.4Wh per cell.

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

- **Recommended Use:** Power source contained within the archery timer.
- **Uses Advised Against:** Any use outside of the intended application. Do not disassemble the enclosure, modify the battery pack, or incinerate the product.

1.3. Details of the Supplier of the Safety Data Sheet

- **Manufacturer:** RIFSNZ Limited
- **Address:** 50 Alfred Street, Onehunga, Auckland 1061, New Zealand
- **Phone Number:** +64 21 623 098
- **Email:** contact@rifs.co.nz

1.4. Emergency Telephone Number

- **Emergency Phone:** +64 21 623 098

SECTION 2: HAZARD(S) IDENTIFICATION

This product is considered a manufactured article and is not hazardous under normal conditions of use. The hazards identified below apply *only* if the internal 18650 battery cells are mishandled, crushed, punctured, or exposed to fire, leading to the release of internal chemicals.

2.1. Classification of the Substance or Mixture

- Not classified as hazardous under GHS/OSHA HazCom 2012 when used as intended.

2.2. GHS Label Elements

- **Signal Word:** None required for the article.
- **Hazard Pictograms:** None required for the article.
- **Hazard Statements:** None required for the article.
- **Precautionary Statements:**
 - P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.
 - P370 + P378: In case of fire: Use Class D fire extinguisher, CO₂, or dry chemical. Do not use water directly on a burning battery.

2.3. Other Hazards

- Risk of fire, explosion, or chemical burn if the internal batteries are damaged, short-circuited, overheated, or incinerated. Thermal runaway can occur if heated above 130°C (266°F).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is an article containing sealed 18650 Lithium-Ion batteries. The following represents the typical chemical composition of the SZNS 3.7V 18650 cells contained within the device.

Chemical Name	CAS Number	% by Weight
Lithium Cobalt Oxide (LiCoO ₂) / Lithium Transition Metal Oxide	12190-79-3	20 - 40%
Graphite (Carbon)	7782-42-5	10 - 20%
Organic Electrolyte (e.g., Ethylene Carbonate)	96-49-1	10 - 20%
Copper	7440-50-8	5 - 15%
Aluminium	7429-90-5	5 - 15%
Polyvinylidene Fluoride (PVDF) Binder	24937-79-9	1 - 5%

SECTION 4: FIRST-AID MEASURES

These measures are applicable only if the battery casing is breached and internal contents are exposed.

- **Inhalation:** Remove victim to fresh air. Seek medical attention if respiratory irritation occurs.
- **Skin Contact:** Immediately flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing. Seek medical attention for chemical burns.
- **Eye Contact:** Immediately flush with copious amounts of water for at least 15 minutes, holding eyelids open. Seek immediate medical attention.
- **Ingestion:** Do NOT induce vomiting. Rinse mouth with water and seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Class D fire extinguisher, CO₂, dry chemical powder, or specialized lithium-ion fire agents.
- **Unsuitable Extinguishing Media:** DO NOT USE WATER directly on a burning battery, as it may exacerbate the fire. Water can be used to cool adjacent equipment.
- **Specific Hazards:** Batteries may burst and release hazardous decomposition products (carbon monoxide, hydrofluoric acid fumes) when exposed to fire.
- **Protective Equipment:** Fire-fighters should wear full protective clothing and a self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Applies only if the internal batteries are ruptured and leaking.

- Wear chemical-resistant gloves and safety glasses.
- Prevent entry of leaked fluids into sewers or waterways.
- Absorb leaking electrolyte with dry sand, earth, or vermiculite. Place damaged product and absorbent into a sealed, appropriate container for hazardous waste disposal.

SECTION 7: HANDLING AND STORAGE

- **Handling:** Do not open the enclosure to tamper with the internal circuit board or batteries. Protect from severe physical shock or drops.
- **Storage:** Store in a cool, dry, and well-ventilated area. Keep the timer in its original cardboard shipping package along with the tripod, remote, and power pack until use. Do not store in direct sunlight or environments exceeding 60°C (140°F).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Exposure Controls:** No special protection is required during normal operation of the timer.
- **Personal Protective Equipment:** Not required under normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance (Product):** Electronic circuit board housed in a Boxco BC-AGS-081605 enclosure.
- **Appearance (Battery):** Two solid, cylindrical metallic cells (18650 size) mounted to the internal board.
- **Voltage:** 3.7V nominal per cell (7.4V wired in series).
- **Energy Capacity:** 7.4 Wh per cell.
- **Odour:** Odourless.

SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Not reactive under normal conditions.
- **Chemical Stability:** Stable under recommended storage and usage conditions.
- **Conditions to Avoid:** Extreme heat, mechanical crushing, puncturing of the enclosure, water ingress into the enclosure.
- **Incompatible Materials:** Strong oxidizing agents, strong acids.

SECTION 11: TOXICOLOGICAL INFORMATION

No toxicological data is available for the finished article. Ingestion, inhalation, or skin contact with internal battery components (if ruptured) may cause severe irritation, chemical burns, or toxicity.

SECTION 12: ECOLOGICAL INFORMATION

Heavy metals and electrolytes inside the 18650 cells can be harmful to the environment if improperly disposed of. The product is not readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

- **Do not dispose of in standard household or municipal waste.**
- Disposal must be in accordance with all applicable local, state, provincial, and federal regulations. The device contains lithium-ion batteries and printed circuit boards, which should be processed at a licensed e-waste or battery recycling facility.

SECTION 14: TRANSPORT INFORMATION

This product is shipped as **Lithium-Ion Batteries Contained in Equipment.**

- **Battery Watt-hour (Wh) Rating Calculation:**
 - Individual cell rating: 7.4 Wh
 - Number of cells per device: 2
 - **Total Watt-hours per device: 14.8 Wh**
(Note: Because the total is well under the 100 Wh threshold, this product qualifies for simplified shipping exceptions).
- **UN Number:** UN 3481
- **Proper Shipping Name:** LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
- **Transport Hazard Class:** Class 9 (Simplified / Section II)

Mode-Specific Transport Regulations:

- **Air Transport (IATA/ICAO):** Complies with Packing Instruction **PI 967, Section II.**
 - Contains less than 4 cells / 2 batteries per equipment.
 - No Shipper's Declaration for Dangerous Goods is required.
- **Road/Rail Transport (US DOT):** Complies with 49 CFR § 173.185(c).
- **Sea Transport (IMDG Code):** Complies with Special Provision 188.

Package Labelling Requirements:

The outer cardboard shipping box containing the timer, tripod, remote, and power pack must be capable of withstanding a 1.2m drop test. The outer box must be affixed with the standard **Lithium Battery Mark** indicating UN 3481 and a valid contact phone number.

SECTION 15: REGULATORY INFORMATION

- **OSHA:** Considered an "article" and exempt from standard HazCom requirements.
- **RoHS/REACH:** Electronics components should conform to relevant local environmental directives.
- **California Proposition 65:** Warning: Electronic devices and internal components may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: OTHER INFORMATION

- **Date of Preparation:** Wednesday, 08 April 2026
- **Version:** 1.1
- **Disclaimer:** The information contained herein is based on data considered to be accurate as of the date of preparation, including manufacturer markings on the internal SZNS battery cells. The manufacturer assumes no responsibility for personal injury or property damage caused by misuse or catastrophic damage to the product. Users assume all risks associated with the use of the material.