

# Taggle Safe Transportation and Storage Data Sheet

## - Storage, Handling and Transportation of Taggle products

### 1 Overview

Taggle Systems (Taggle) products include lithium thionyl chloride batteries which are integrated into the product. Taggle also offers spare parts which include lithium thionyl chloride batteries for the Cockatoo. Taggle products are also known as Taggle Tags, Tags, Taggles, radio enabled sensors, embedded radios and meter endpoints which are hereafter called “endpoints” or “products”.

Lithium thionyl chloride batteries, as a standalone battery are classified as UN3090 (Lithium Metal) and when packaged in equipment UN3091 (Lithium Metal). These batteries are non-rechargeable. Taggle products use batteries of differing power rating and you should refer to the information below for more detail.

All products ship at or with 100% State of Charge (SOC). With improper handling, storage or use, the endpoints and batteries may pose a serious safety hazard in the rare case of an electrical short, rupture or exposure to fire/extreme heat.

#### Warning

- **Do not attempt to disassemble the product.**
- **Do not attempt to recharge a battery from the product.**
- **Do not attempt to force discharge a battery or the product.**
- **Do not attempt to use the product if it is physically damaged.**
- **Do not incinerate or heat the product above 99 degrees Celsius.**

Changes or modifications to the product that are not expressly approved by Taggle could void the user’s authority to operate the equipment, warranty and product safety.

MATERIAL DATA SAFETY SHEET: Under relevant regulations, Taggle products are classified as a manufactured article and do not require a Material Safety Data Sheet (MSDS). However, the MSDS for lithium thionyl chloride batteries used in the products can be obtained by contacting Taggle.

### 2 Products

The products mean any Taggle product as listed below, and their product variants.

All products ship at or with 100% State of Charge (SOC).

Product		Class (UN)	UN no	Battery Size	Total Ah per Product	Total per Product	
Name	Generation					Battery Weight (grams)	Total Lithium Metal content (grams)
ADC-1	1	-	UN3091	1 x AA Cell	2.4	19	0.7
HP-1	1	Class 9	UN3091	1 x D-cell	19.0	100	4.9
MRC1	1	-	UN3091	1 x AA Cell	2.4	19	0.7
LSTT	1	Class 9	UN3091	4 x D-cell	76.0	400	19.7
Rosella	2	-	UN3091	1 x A Cell	4.0	28	1.0
Parakeet	2	Class 9	UN3091	1 x C Cell	8.5	52	2.2
Lorikeet	2	Class 9	UN3091	1 x D-cell	19.0	100	4.9
Cockatoo (1B)	2	Class 9	UN3091	1 x D-cell	19.0	100	4.9
Cockatoo (2B)	2	Class 9	UN3091	2 x D-cell	38.0	200	9.8
Cockatoo (3B)	2	Class 9	UN3091	3 x D-cell	57.0	300	14.7
Cockatoo (4B)	2	Class 9	UN3091	4 x D-cell	76.0	400	19.6
Battery Spare Part	na	Class 9	UN3090	1 x D-cell	19.0	100	4.9

### 3 Local Laws and Regulations

When operating a device, always comply with the local laws and regulations. The safety precautions provided in this document are in addition/supplementary to the local laws and regulations.

### 4 Storage and Handling

#### End Points

Endpoints include lithium metal batteries and should be handled and stored with care. Endpoints may include the ability for external connection, including flying leads for infield splicing, external connection jacks or third party connectors and care should be taken to ensure the wire/connector covers or caps remain in place to prevent electrical shorting.

Endpoints are low power radio transmission devices. Generation 1 endpoints are preactivated and will transmit automatically. Generation 2 endpoints ship in a de-activated state and require activation. Contact your local Taggle office for more information.

#### Batteries

Where you are provided batteries or spare parts which includes standalone batteries not installed in a Taggle endpoint care should be taken in storage and handling.

Batteries must be stored to guard against thermal extremes, charging and short circuits. Batteries should be stored on non-conductive shelves, prevented from moving, oriented in the same direction, preferably in original packing or equivalent. Do not stack or allow batteries to touch one another in bins or boxes or come into contact with conductive surfaces.

When handling batteries, personnel should take precaution, remove all conductive jewellery and wear safety goggles.

### 5 Shipping

If shipping endpoints or batteries by air carrier you are responsible for ensuring compliance with the air carrier's and IATA guidelines for the products described in this document.

The products are classified as UN3091 (Lithium Metal) and spare part batteries as UN3090 (Lithium Metal). Some products (as listed above) are Class 9 dangerous goods.



In most countries, government regulations prohibit the operating of transmitters on aircraft. Please note the information in the previous section with respect to Generation 1 endpoints.

### 6 Battery Disposal

Local regulations with respect to battery disposal vary by country and state. The user is responsible for safe disposal.

Taggle offers radio end point (including its battery) return and recycling services. Contact your local Taggle office for details.

### 7 Contact information

Taggle Systems Pty Ltd. ABN 64 126 467 847

#### Australian Office

Level 1, 101 Sussex Street  
 Sydney NSW 2000  
 enquiries@taggle.com.au  
 +61 2 8999 1919