

# Product Safety Information

## Tron TR30 GMDSS and VHF radio package

Art. no 87950



### MANUFACTURER:

Jotron AS, Østbyveien 1, 3280 Tjodalyng, Norway

### EMERGENCY CONTACT

24 hours Emergency contact telephone number:

Norway/UK; +4733139700 & +441670 712000 from 08.00-16.00 (GMT+),

Singapore/US; +65 65426350 & +1 713 268 1061 from 16.00-08.00 (GMT+)

### PRODUCT DESCRIPTION

Listed product is a GMDSS and VHF radio package including a battery type lithium rechargeable and battery type lithium emergency.

The battery modules have fulfilled the test according to UN Manual of Test and Criteria ST/SG/AC.10/11 fifth revised edition, Chap 38.3. Statement can be downloaded from [www.jotron.com](http://www.jotron.com), (Transport Statement Tron TR30 Emergency Battery and Tron TR30 Rechargeable Battery)

### GENERAL PRODUCT INFORMATION

Tron TR30 Rechargeable battery module consists of secondary Lithium Polymer cells. Tron TR30 Emergency battery module consists of primary lithium battery cells;

The Rechargeable battery consists of two Lithium Polymer cells in one pack with a total of 11.47Wh

The Emergency battery consists of 4 cells divided into two packs, with a total of 3.92-gram Lithium.

### ***DO NOT ATTEMPT TO RECHARGE THE EMERGENCY BATTERY***

The battery modules should only be disassembled after guidance from manufacturer or their representatives.

### HAZARDOUS SUBSTANCES

Under EC (European Chemical Agency (ECHA)) and US (Occupational Safety and Health Admin (OSHA)) legislation this product is classified as a manufactured article, which does not release, or otherwise result in exposure to a hazardous chemical under normal condition of use. This product is therefore exempted from the requirement of a dedicated Material Safety Data Sheet (MSDS).

The following information is considered as guidance and as courtesy;

Information from Green Energy Battery Company Limited concerning battery cell type GEP653759, used in the **Tron TR30 Rechargeable battery module** is with chemical system Lithium Polymer and the cell may contain the following active ingredients;

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CAS.no	Material or Ingredients
12190-79-3	Lithium Cobalt Oxide
7782-42-5	Graphite
1333-86-4	Acetylene Black
21324-40-3	Electrolyte
7429-90-5	Aluminium Foil
9003-07-0	Polypropylene
7440-50-8	Copper Foil
96-49-1	Ethylene Carbonate
616-38-6	Dimethyl Carbonate
7440-02-0	Raney Nickel

No release or hazardous chemical will be exposed as long as the cells remain in their sealed and original condition.

This information concerning ingredients is given in good faith and based on information from Green Energy Battery Company Limited. Jotron makes no warranty, either expressed or implied, with respect to this information.

Information from Eve Energy Co Ltd (cell type FR6) and Energizer Battery Manufacturing Inc (cell type L91), used in the **Tron TR30 Emergency battery module** is with chemical system Lithium Iron Disulfide and the cell may contain the following active ingredients;

CAS.no	Material or Ingredients
110-71-4	1,2 Dimethoxyethane
646-06-0	1,3 Dioxolane
7782-42-5	Graphite
1309-36-0	Iron Disulfide
7439-93-2	Lithium or Lithium Alloy
10377-51-2	Lithium Iodide
1333-86-4	Carbon
7439-89-6	Iron

No release or hazardous chemical will be exposed as long as the cells remain in their sealed and original condition.

This information concerning ingredients is given in good faith and based on information from Eve Energy Co Ltd Product Safety Datasheet Edit January 2014 and Energizer Battery Manufacturing Inc safety Datasheet edit March 2016. Jotron makes no warranty, either expressed or implied, with respect to this information.

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### DISPOSAL INFORMATION

The product shall follow local disposal regulations with reference to electronics and primary lithium battery. Specific information on the product disposal is to be found in the product manual or guidance documentation is to be found on [www.jotron.com](http://www.jotron.com).

### TRANSPORT INFORMATION

This product is restricted and classified as follows during transportation.

The product is classified under two separate UN numbers and both packing instructions apply as below;

Hazard Class:	Class 9
UN ID No:	UN3481
Proper shipping name:	Lithium Ion Batteries Packed with Equipment
Packing Instruction:	PI 966 (II) acc to IATA/ICAO regulations
Packing Instruction:	Special Provision 188 acc to ADR/RID/IMDG code regulations
Watt Hour per pack:	11.47 Wh

Hazard Class:	Class 9
UN ID No:	UN3091
Proper shipping name:	Lithium Batteries Packed with Equipment
Packing Instruction:	969 (II) acc to IATA/ICAO regulations
Packing Instruction:	Special Provision 188 acc to ADR/RID/IMDG code regulations
Lithium content per pack:	3.92 gram
Battery pack Net-weight:	0.06Kg

### GREEN PASSPORT CERTIFICATE; SHIP RECYCLING INFORMATION

A dedicated Material Declaration (MD) document and Self Declaration of Conformity (SDoC) is to be found as pdf download, on [www.jotron.com](http://www.jotron.com). The product Green Passport Certificate is in conformity with the IMO Guidelines for the development of the inventory of Hazardous Material Resolution MEPC.269(68) Adopted on 15. May 2015.

### IMPORTANT CLOSING STATEMENT

Any counterfeit/non-original battery cells or battery-pack being use on this product will deviate from the product type approval(s), the product UN Manual of Test and Criteria ST/SG/AC.10/11 fifth revised edition, Chap 38.3 T1-T8 test and do not comply to this product safety information.