HRU Component Part and Replacement Kits for EPIRBs and S-VDRs

Kit for McMurdo EPIRBs	**82-962-001A**
Kit for Kannad Marine EPIRBs	**K82-962-009A**
Kit for Sailor EPIRBs	**82-962-002A**
Kit for SIMRAD EPIRBs	**82-962-003A**
Kit for Kelvin Hughes S-VDRs	**82-962-007A**
Kit for McMurdo C1 S-VDRs	**82-962-008A**

Manufacturer: Orolia Ltd
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Description: the HRU is designed to detect immersion in water, in order to release marine emergency equipment. Sealed inside the plastic casing is one small hermetically-sealed pressurised primary Lithium – Manganese Dioxide cell. The product also contains a very small quantity of explosive composition, used to drive a blade which cuts a plastic retaining bolt where it passes through the product. Immersion in water (to a depth of up to four metres maximum) is required to cause activation.

The HRU Replacement Kits provide for in-service maintenance of a range of marine emergency distress beacons. The Kits consists of one or two HRUs together with labelling materials, installation hardware, and instructions. The EPIRB Kits contain one HRU. The S-VDR Kits contain two HRUs.

Use Information

The product has a limited service life: see label for expiry date.

The product contains no user-serviceable parts.

DO NOT ATTEMPT TO DISMANTLE.

DO NOT ATTEMPT TO RECHARGE THE BATTERIES.

Hazardous Substances

Under EC and US legislation this product is classified as a manufactured article, which does not result in exposure to any hazardous chemicals under normal conditions of use. As such the product does not require a Material Safety Data Sheet, and the following information is provided as a courtesy:

The total Lithium content of each HRU is less than 1.0 g. The cells within the HRU contain the following active ingredients, by CAS number and name:

1313-13-9	Manganese Dioxide
108-32-7	Propylene Carbonate
110-71-4	1,2-Dimethoxy Ethane
7439-93-2	Lithium Metal
33454-82-9	Lithium Trifluoromethane Sulfonate
96-49-1	Ethylene Carbonate

No chemical hazard will be posed as long as the cells remain in their sealed condition.

This information is given in good faith, and is believed to be accurate at the date of preparation. Orolia Ltd makes no warranty, either express or implied, with respect to this information, and disclaims all liability from reference on it.

Transport Information

Class:	Class 9
UN Number:	UN3091
UN Description:	Lithium Metal Batteries Contained in Equipment
IATA Packing Instruction for Air:	970 Section II
Packing Instruction for Road & Sea:	P903 Special Provision 188
Net Quantity:	0.017 kg

Disposal Information

DO NOT INCINERATE.

DO NOT ATTEMPT TO DISMANTLE.

DO NOT DISCARD IN DOMESTIC WASTE.

This product should be disposed of in a sensible and considerate manner, and in accordance with local regulations. Take it to a civil recycling facility, or contact Orolia for advice.

Green Passport: Ship Recycling Information

Orolia Ltd hereby declares potentially hazardous content in some of its electronic products.

Small amounts of the following substances may be present: beryllium oxide, lithium, lead (in older products), brominated flame retardants, glass.

In keeping with European directive 2002/96/EC (Waste Electronic and Electrical Equipment) and the provisions of IMO Resolution A.962(23) (Guidelines On Ship Recycling), Orolia strongly recommends that its products, including any battery packs, be disposed of in a considerate and legal manner. Additional information, concerning the disposal of equipment can also be found in the relevant equipment User Manual, under the heading: End of Life Statement.