

# SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

## 1. Identification of the substance/mixture and of the company/undertaking

**MSDS** : 27364  
**Product code Healthcare** : 861304  
**Supplier** : PHILIPS HEALTHCARE, SEATTLE  
2301 5th Ave  
98121 Seattle  
Washington  
United States of America  
TEL:+1-206-664-5000

**Tradename** : HEARTSTART FRX DEFIBRILLATOR (861304) : BATTERY CONTAINED IN EQUIPMENT (M5070A)  
[5.04 G LITHIUM]

**General description** : BATTERY CONTAINED IN EQUIPMENT  
**Use** : Various  
**Date last update** : 2011-09-27  
**Publication date** : 2011-09-27  
**Supplier safety data sheet** : Philips Electronics Nederland B.V., P.O. Box 218, 5600 MD Eindhoven, Tel. +31 40 2786069  
**Responsible department** : dangerous.goods@philips.com  
**Emergency phone number** : +31 (0)497-598315

## 2. Hazards identification

### GHS Classification ((EC) No 1272/2008)

Not classified according to GHS classification.

**GHS-Label** : not applicable

**Remarks on GHS-labelling** none

### EC Classification ((EC) No 67/548 or 1999/45)

Not classified according to EC classification.

**EC-Label** : not applicable

**Remarks on EC-labelling** none

**Other hazards** : Data not available.

## 3. Composition/information on ingredients

Component	CAS-no	EC-no	Catalogue-no	Percentage(%)	GHS-label EC-label
LITHIUM METAL BATTERY					

## 4. First aid measures

**Skin** : Not applicable.  
**Ingestion** : Not applicable.  
**Inhalation** : Not applicable.  
**Eyes** : Not applicable.  
**Remarks first aid** : none

## 5. Firefighting measures

**Fire-extinguisher** : determined by surrounding  
**Unsuitable fire-extinguisher** : not traceable  
**Special fire-fighting equipment** : In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.  
**Hazardous decomposition products in fire** : lithium oxide

## 6. Accidental release measures

**Spillage procedure** : not applicable  
**Emergency procedure** : not applicable

## 7. Handling and storage

Local exhausting : Under normal circumstances not applicable.  
Storage conditions : Store product protected from proximity to other sources of heat, dry.  
Storage code (on behalf of PGS : M4  
15)

## 8. Exposure controls/personal protection

### Exposure limits :

applicable to: **The Netherlands**

No TWA has been laid down.

LITHIUM METAL BATTERY

C=Ceiling; S=Skin

### Remarks exposure limits :

none

### Odour threshold (20°C; 1013 mbar) :

not traceable

### DNEL (Derived No Effect Level)

not traceable

### PNEC (Predicted No Effect Concentration)

not traceable

### Advised personal protection :

Hands : not applicable  
Breakthrough time : not applicable  
Eyes : not applicable  
Inhalation : not applicable  
Skin : none (when used normally)

## 9. Physical and chemical properties

Physical state : article  
Colour : type dependent  
Odour : odourless  
Vapor rate/range : not applicable  
Boiling point/range : not traceable  
Melting point/range : not traceable  
Flash point/range : not applicable  
Explosive limits : not applicable  
Dust explosions possible in air : not applicable  
Density : not traceable  
Vapour pressure : not applicable  
Solubility in water : not applicable  
Solubility in fat : not applicable  
pH : not applicable  
Viscosity : not applicable  
Autoignition temperature : not applicable  
Decomposition temperature : not traceable  
Electrostatic charge : not traceable

## 10. Stability and reactivity

Conditions to avoid : none  
Reactions with water : no  
Hazardous reactions with : none  
Hazardous decomposition products at heating : none

## 11. Toxicological information

### Symptoms

Skin local : Not applicable.  
general : Not applicable.  
Ingestion local : Not applicable.  
general : Not applicable.  
Inhalation local : Not applicable.  
general : Not applicable.  
Eyes local : Not applicable.  
Remarks symptoms : None

### Toxicity :

not traceable

Ames test : not traceable

## 12. Ecological information

Biological oxygen demand (5) : not traceable  
Chemical oxygen demand : not traceable  
Biological/chemical oxygen demand ratio : not traceable  
Degradability : not traceable  
Biochemical factor : not traceable  
Log Po/w : not traceable  
Henry Constant : not traceable

Ecotoxicity :  
not traceable

Remarks on ecotoxicity : none

## 13. Disposal considerations

Remainder material has to be incinerated in\_a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

## 14. Transport information

<b>ADR/RID</b>	<b>UN-number</b>	: 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT
	<b>Hazard identification number</b>	: none
	<b>Class</b>	: 9
	<b>Packinggroup</b>	: II
<b>IMO</b>	<b>UN-number</b>	: 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT
	<b>Class</b>	: 9
	<b>Packinggroup</b>	: II
	<b>Marine pollutant</b>	: no
<b>IATA/ICAO</b>	<b>UN-number</b>	: 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT
	<b>Class</b>	: 9
	<b>Packinggroup</b>	: II
	<b>Remarks</b>	: The product must be transported in accordance with the regulations of IATA PACKING INSTRUCTION 970 - SECTION I.

## 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Articles are exempted from Toxic Substances Control Act Inventory (USA).

## 16. Other information

**Remarks on MSDS** The presence of lithium-batteries gives an enlarged risk of fire.

**Overview relevant H-sentences from all components in section 3 :**  
not applicable

**Overview relevant hazard statements from all components in section 3 :**  
not applicable

**Overview relevant R-sentences from all components in section 3 :**  
not applicable

\* Point to alterations with regard to the previous version.

The information provided in this Material Safety Data Sheet is correct to the best of the knowledge, information and belief of PHILIPS HEALTHCARE, SEATTLE at the date of its printing.