

9004S01e - MyGait Accumulator for Service in equipment

Material number 9004S01e

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1 Identification

Product identifier

Trade name: 9004S01e - MyGait Accumulator for Service in equipment

Recommended use and restrictions on use

General use: Lithium-ion battery for orthopedic procedures
For commercial user only.

Initial supplier identifier

Company name: Otto Bock HealthCare Canada Ltd.
Street/POB-No.: 5470 Harvester Road
Postal code, city: Burlington, ON L7L 5N5, CA
Canada
WWW: www.ottobock.ca
Email: info.canada@ottobock.com
Telephone: (800) 665-3327
Telefax: (800) 463-3659

Department responsible for information:
Mark Agro, Telephone: (800) 665-3327 (9 am - 5 pm)

Additional information: The following products contain this batterie:
9004=01 - MyGait Stimulator
9004=05 - MyGait Adjustment tool
Corporate headquarters:
Ottobock SE & Co. KGaA
Max-Näder-Straße 15
Duderstadt
Germany

Emergency telephone number

COLLECT, Telephone: (613) 996-6666
Transport:
CONSULTANK Lutz Harder GmbH (Contract QUALI003)
Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)

2 Hazard identification

Classification

Article not subject to hazard labelling or classification.

Information elements

not applicable

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Other hazards known to the supplier with respect to the product

The battery is hermetically sealed. Cell may explode

danger of releasing ingredients, mentioned in section 3, by damaging the battery

- with strong mechanical action,
- in case of heating and/or Fire,
- with influence of water,
- short circuit.

Hazard statements:

Limited evidence of a carcinogenic effect. May cause sensitization by skin contact.

Electrolyte, organic:

Flammable. vapours irritate eyes, mucous membranes and respiratory system. vapours may cause drowsiness and dizziness.

3 Composition/Information on ingredients

Mixture

Chemical name:

Article: Lithium-ion battery (Cell in equipment)

The chemical materials are stored in a hermetically sealed metal case.

Contains: Metal oxide (20 - 50%), Carbon (10 - 30%), Aluminium (2 - 10%), Copper (2 - 10%)

Hazardous ingredients:

CAS No.	Designation	Content	Classification
CAS -	Electrolyte, organic	10 - 20 %	Flammable Liquid 3.

The actual concentration or concentration range is withheld as a trade secret.

4 First-aid measures

Description of necessary first-aid measures

General information:	In case of damaged battery cases: Release of dangerous ingredients possible. In case of heating: Generates dangerous gases or fumes in contact with.
In case of inhalation:	Provide fresh air. Keep victim at rest in half upright position. Seek medical attention.
In case of swallowing:	Drink large quantities of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.
In case of skin contact:	Wash with plenty of water. Take off immediately all contaminated clothing. Seek medical attention.
In case of eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Afterwards, consult an ophthalmologist immediately.

Most important symptoms and effects, whether acute or delayed

No hazardous reaction when handled and stored according to provisions.

In case of damaged battery cases:

May cause sensitization by skin contact.

Irritation. vapours may cause drowsiness and dizziness.

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Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5 Fire-fighting measures**Suitable and unsuitable extinguishing media**

Suitable extinguishing media:

sand, Extinguishing agent on the basis of sodium chloride, sodium hydrogen carbonate, limestone, or with metal extinguishing powder.

Unsuitable extinguishing media:

Water, Carbon dioxide.

Specific hazards arising from the product

> 100 °C: Cell may explode.

Hazardous vapours may form during fires.

In case of fire may be liberated: hydrogen fluoride, hydrogen, carbon monoxide and carbon dioxide.

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Eliminate all ignition sources if safe to do so. Provide fresh air. Avoid contact with skin and eyes.

Wear suitable gloves. Do not inhale vapours or dust particles.

Avoid damage to the battery casing. In case of damaged battery cases: Avoid exposure.

Environmental precautions:

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Take up mechanically. Dispose of waste according to applicable legislation. Avoid generation of dust.

Electrolyte: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Final cleaning.

7 Handling and storage**Precautions for safe handling**

Advices on safe handling: Provide fresh air. Avoid contact with skin and eyes.

Wear suitable gloves. Do not inhale vapours or dust particles.

Avoid damage to the battery casing. In case of damaged battery cases: Avoid exposure.

Precautions against fire and explosion:

Avoid short circuit. Avoid damage to the battery casing.

in case of damaged battery cases: Remove all sources of ignition.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Provide adequate ventilation. Store in a dry place.
Protect from: humidity, heat, UV-radiation/sunlight

Hints on joint storage:

Keep away from: Acids, bases.

Further details:

In case of damaged battery cases: Keep away from water.

8 Exposure controls/Personal protection

Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7440-44-0	Carbon	Canada: Alberta, OEL 8 hour	10 mg/m ³ (Dust limit value, inhalable fraction)
		Canada: Alberta, OEL 8 hour	3 mg/m ³ (Dust limit value, respirable fraction)
		Canada: BC, OEL TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		Canada: BC, OEL TWA	3 mg/m ³ (Dust limit value, respirable fraction)
		Canada: Québec, VEMP	10 mg/m ³ (total dust)
		Canada: Québec, VEMP	3 mg/m ³ (total dust, respirable fraction)
7429-90-5	Aluminium	Canada: Alberta, OEL 8 hour	10 mg/m ³ (metal, dust)
		Canada: Alberta, OEL 8 hour	5 mg/m ³ (Aluminium powder, pyrotechnic)
		Canada: BC, OEL TWA	1 mg/m ³ (Pyrotechnical powders)
7440-50-8	Copper	Canada: Alberta, OEL 8 hour	0.2 mg/m ³ (Smoke)
		Canada: Alberta, OEL 8 hour	1 mg/m ³ (Dusts and mist)
		Canada: BC, OEL TWA	0.2 mg/m ³ (Smoke)
		Canada: BC, OEL TWA	1 mg/m ³ (Dusts and mist)
		Canada: Québec, VEMP	0.2 mg/m ³ (Smoke, calculated as Cu)
		Canada: Québec, VEMP	1 mg/m ³ (Dusts and mist calculated as Cu)

Additional information: The chemical materials are stored in a sealed battery case.

Appropriate engineering controls

In case of damaged battery cases: Provide adequate ventilation.
In case of development of vapours or dust:
The use of local exhaust ventilation is recommended.

Individual protection measures, such as personal protective equipment

Respiratory protection:

In case of damaged battery cases:
Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.
Half mask with particle filter P according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.
If necessary: When vapours form combination filter Use filter type A, B, K according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

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Hand protection:	In case of damaged battery cases: Protective gloves according to OSHA Standard - 29 CFR: 1910.138. Glove material: rubber - breakthrough time >480 min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	In case of damaged battery cases: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
General hygiene considerations:	In case of damaged battery cases: Do not inhale vapours or dust particles. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Wash hands before breaks and after work.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9 Physical and chemical properties

Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	Form: solid
Colour:	No data available
Odour:	odourless
Odour threshold:	No data available
Melting point and freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	No data available
Lower and upper explosion limit or lower and upper flammability limit:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Solubility:	No data available
Partition coefficient — n-octanol/water:	No data available
Vapour pressure:	No data available
Density and/or relative density	No data available
Vapour density:	No data available
Particle characteristics:	Not applicable

Additional information

Additional information:	No data available
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10 Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Fire hazard in case of technical defects. In case of damaged battery cases: Electrolyte: Flammable. After contact with water: formation of Hydrogen fluoride.
Conditions to avoid:	> 100 °C: Cell may explode. Protect from: humidity, heat, UV-radiation/sunlight Avoid short circuit. Avoid damage to the battery casing. In case of damaged battery cases: Protect from: water. Keep away from sources of ignition - No smoking.
Incompatible materials:	Acids, bases. In case of damaged battery cases: Keep away from water.
Hazardous decomposition products:	In case of fire may be liberated: hydrogen fluoride, hydrogen, carbon monoxide and carbon dioxide.

11 Toxicological information

Information on the likely routes of exposure

No data available

Health hazard information

Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
Serious eye damage/irritation: Lack of data.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Lack of data.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Lack of data.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Other information:	In case of damaged battery cases: Limited evidence of a carcinogenic effect. May cause sensitization by skin contact. Electrolyte, organic: vapours irritate eyes, mucous membranes and respiratory system. vapours may cause drowsiness and dizziness.
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12 Ecological information

Ecotoxicity

Further details: in case of damaged battery cases:
ingredient(s): bioaccumulation possible.

Persistence and degradability

Further details: Product is not biodegradable.

Bioaccumulative potential

Partition coefficient — n-octanol/water:
No data available

Mobility in soil

No data available

Other adverse effects

General information: Discharge into the environment must be avoided.

13 Disposal considerations

Waste treatment methods

Product

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation.
Packing can be recycled or disposed of.

14 Transport information

UN number

TDG: UN3481
IMDG, IATA-DGR: UN 3481

UN proper shipping name

TDG: UN 3481, LITHIUM ION BATTERIES contained in equipment
IMDG, IATA-DGR: UN 3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT

Transport hazard class

TDG: 9
IMDG: Class 9, Subrisk -
IATA-DGR: Class 9



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Packing group

TDG, IATA-DGR: not applicable
IMDG: -

Environmental hazards

Marine pollutant: no

Special precautions in connection with transport or conveyance either within or outside the premises

Canada: Transportation of Dangerous Goods (TDG)

Special Provisions: 34, 123, 137, 138, 1
Explosive limit and limited quantity index: 0
Passenger carrying road or rail index: 5 kg

Sea transport (IMDG)

EmS: F-A, S-I
Special Provisions: 188 230 310 348 360 376 377 384 387 390
Limited quantities: 0
Excepted quantities: E0
Package - Instructions: P903, P908, P909, P910, P911, LP903, LP904, LP905 LP906
Package - Provisions: -
IBC - Instructions: -
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: -
Tank instructions - Provisions: -
Stowage and handling: Category A. SW19
Properties and observations: Electrical batteries containing lithium ion may react (e.g., flame, heat, emission of toxic, corrosive or flammable gases or vapours) or disassemble due to damage, defects or short circuit.
Marine pollutant: no
Segregation group: none
Remarks: In compliance with Special provision 188

Air transport (IATA)

Proper shipping name: UN 3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
Hazard label: Lithium batt or Sodium-ion batt
Excepted Quantity Code: E0
Passenger and Cargo Aircraft: Ltd.Qty.: Forbidden
Passenger and Cargo Aircraft: Pack.Instr. 967 - Max. Net Qty/Pkg. 5 kg
Cargo Aircraft only: Pack.Instr. 967 - Max. Net Qty/Pkg. 35 kg
Special Provisions: A48 A88 A99 A154 A181 A185 A213 A220
Emergency Response Guide-Code (ERG): 12FZ
Remarks: In compliance with Special provision 965

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15 Regulatory information

National regulations - Canada

Carbon: DSL: listed

Copper: DSL: listed

Polyvinylidene fluoride: DSL: listed

Further regulations, limitations and legal requirements

No data available

16 Other information

Revision date: 1/1/2026

Date of first version: 19/2/2016

Reason of change: Changes in section 14: IATA-DGR 2026

Abbreviations and acronyms:

AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
DSL: Domestic Substances List
EC: European Community
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
EQ: Excepted quantities
Flammable Liquid: Flammable liquid
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
TDG: Transportation of Dangerous Goods Regulation in Canada
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
TSCA: Toxic Substance Control Act
UN: United Nations
UV: Ultraviolet
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.