

## MSDS Medical Spare Parts Battery Packs (MSP-A-AH-XXXXX)

### Identification of the substance/preparation and the company/undertaking

Commercial product name	Medical Spare Parts Battery Pack MSP-A-AH-XXXXX
Use of the Substance/ Preparation	Medical Patient Hoists
Company	Medical Spare Parts B.V. De Sonman 7, 5066GJ Moergestel, The Netherlands T: +31 (0)88 0531000 F: +31 (0)88 0531001 email: <a href="mailto:contact@medicalspareparts.com">contact@medicalspareparts.com</a> <a href="https://www.medicalspareparts.com">https://www.medicalspareparts.com</a>
Product Code	MSP-A-AH-XXXXX (X can be a number between 0-9)
Emergency telephone number	+31 (0)88 0531000

### Hazards Identification

Most important hazards	The product is classified as dangerous in accordance with directive 1999/45/EC C—Corrosive N—Dangerous for the environment T—Toxic Harmful by inhalation and when swallowed Danger of cumulative effects Causes severe burns when opened May cause harm to the unborn child Possible risk of impaired fertility An explosive mixture of hydrogen and oxygen is given off during charging
Environmental properties	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### Composition/Information on ingredients

Chemical nature of the preparation (battery cells)	Lead, lead compounds and sulfuric acids in a hard case. Polypropylene case with six elements each containing lead plates and sulphuric acid			
Substance name	Value(s)	CAS No / EC No / EC Index	Symbol(s)	R-Phrase(s)
Sulfuric acid %	25—30%	7664-93-9 / 231-639-5 / 016-020-00-8	C	35
Lead compound	55—65%	7439-92-1 / 231-100-4 . / 082-001-00-6	T N	61-20/22-33-50/53-62

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### First Aid Measures

General Advice	Never give anything by mouth to an unconscious person
Inhalation	Keep at rest Move to fresh air Oxygen or artificial respiration if needed Obtain medical attention
Skin contact	Take off contaminated clothing and shoes immediately Wash off with plenty of water Obtain medical attention
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Call a physician immediately
Ingestion	Do not induce vomiting Drink plenty of water Obtain medical attention

### Fire-fighting measures

Suitable extinguishing media	Use dry chemical, CO <sub>2</sub> , water spray or alcohol-resistant foam.
Extinguishing media which must not be used	No information available used for safety reason
Specific hazards	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations An explosive mixture of hydrogen and oxygen is given off during charging
Special protective equipment for	Wear personal protective equipment Firefighters wear self-contained breathing apparatus for firefighting if necessary

### Accidental release measures

Personal precautions	Evacuate personnel to safe areas. Wear personal protective clothing. Keep away from sources of ignition—No Smoking.
Environmental precautions	Do not flush into surface water or sanitary sewer system
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal. Flush with water.

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### Handling and storage

Storage	Keep in a well-ventilated place. Remove all sources of ignition.
Handling	Make sure no metal is inserted in the connector to prevent short circuit.
Specific use	No information available

### Exposure controls / Personal protection

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment (filter type b)
Hand protection	Rubber gloves (EN 374) or PVC disposable gloves. (only for those battery packs with exposed battery cells)
Eye protection	Not applicable
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls	Lead compound : TLV-TWA (mg/m <sup>3</sup> ) : 0,15 (Belgium); 0,1 (Sweden); 0.05 (Estonia, Czech Republic) Lead compound : TLV-STEL (mg/m <sup>3</sup> ) : 0,2 (Czech Republic) Sulfuric acid : TLV-TWA (mg/m <sup>3</sup> ) : 1 (Belgium, France, Czech Republic, Sweden, United Kingdom); 0,2 (Norway, Finland) Sulfuric acid : TLV-STEL (mg/m <sup>3</sup> ) : 3 (Belgium, France, Sweden); 2 (Czech Republic); 1 (Finland)

### Physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	None
pH	< 1
Boiling point/range	112°C
Melting point/range	No information available
Flash point	No information available
Ignition temperature	No information available
Evaporation rate	No information available
Solubility in other solvents	No information available
Solubility in water	100%
Density	1,27kg/m <sup>3</sup> @ 27°C

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### Stability and reactivity

Hazardous decomposition products	Burning produces obnoxious and toxic fumes. An explosive mixture of hydrogen and oxygen is given off during charging
Materials to avoid	Incompatible with oxidising agents Incompatible with acids and bases Gives off hydrogen by reaction with metals
Conditions to avoid	Avoid shock and friction Heat, Flames and sparks

### Toxicological Information

Acute toxicity	Sulfuric acid: LD50/oral/rat : 2140mg/kg Sulfuric acid: LC50/inhalation/1h/rat : 347ppm
Inhalation	Inhalation of aerosols may cause irritation to mucus membranes
Skin contact	Redness, blistering causes severe burns
Eye contact	Causes severe burns, redness
Ingestion	Ingestion may provoke the following symptoms: Vomiting, Abdominal pain, Diarrhoea
Chronic Toxicity	Possible risk of impaired fertility May cause harm to the unborn child

### Ecological information

Bioaccumulation	No data is available on the product itself.
Ecotoxicity effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Sulfuric acid: LC50/96h/fish : >500mg/l (brachydanio rerio)
Mobility	No data is available on the product itself
Persistence and degradability	No data is available on the product itself

### Disposal considerations

Waste from residues	Dispose of in accordance with local regulations
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## MSDS Medical Spare Parts Battery Packs (MSP-A-AH-XXXXX)

### Transport information

Class	Corrosive 8
ADR/RID	
UN-No	2800
Proper shipping name	Batteries, wet, non-spillable, electric
Class	8
HI/UN No	80
IMDG	Not restricted under SP 238 1 and 2
UN-No	2800
Proper shipping name	Batteries, wet, non-spillable, electric
EmS	F-A, S-B
ICAO/IATA	Not restricted under SP A67
UN-No	2800
Class	8
Proper shipping name	Batteries, wet, non-spillable, electric
Packing instruction (cargo plane)	872
Packing instruction (passenger plane)	872

### Regulatory Information

Labelling	Limited labelling information is permitted according to article 12 of ECDirective 1999/45/EC The preparation is classified as dangerous in accordance with Directive 1999/45/EC
Symbol(s)	T—Toxic, C—Corrosive, N—Dangerous for the environment
R-Phrase(s)	R20/22—Harmful by inhalation and if swallowed R33—Danger of cumulative effects R35—Causes severe burns R50/53—very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R61—May cause harm to unborn child R62—Possible risk of impaired fertility
S-phrase(s)	S26—In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37/39—Wear suitable protective clothing, gloves and eye/face protection S45— In case of accident or if you feel unwell, seek medical advice immediately (show label where possible) S64—If swallowed, rinse mouth with water (only if the person is conscious).
WGK	1

## MSDS Medical Spare Parts Battery Packs (MSP-A-AH-XXXXX)

### Other information

Sources of key data used to compile this datasheet

European chemicals bureau

### Disclaimer

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 1967/548/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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