

Trade name: Li-Ionen-Akkus

Current version : 1.0.0, issued: 06.08.2018

Replaced version: -, issued: -

Region: GB

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name

**Li-Ionen-Akkus**

**EAN: 622398, 671792, 673178, 707019, 707033, 707088, 707156, 707262, 723057, 735456, 735463, 735470, 750664**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

battery

Uses advised against

No data available.

### 1.3 Details of the supplier of the safety data sheet

Address

Viega Technology GmbH & Co. KG

Viega Platz 1

57439 Attendorn

Telephone no. +49 2722 610

Fax no. + 49 2722 611415

Information provided by / telephone

+49 2722 61-1100

Advice on Safety Data Sheet

sdb\_info@umco.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification information

This product is in the sense of article 3 of the Regulation (EC) 1907/2006 (REACH) an article and not subject to the labelling obligations according to:

- Art. 1, Regulation (EC) 1272/2008 (CLP).

To provide a safety data sheet is not mandatory for articles according to art. 31 of the Regulation (EC) 1907/2006 (REACH) and is done on a voluntary basis.

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

PBT assessment

No data available.

vPvB assessment

No data available.

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

##### Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

No special measures necessary. The first aid information refers to the electrolyte solution and is only relevant for leaking batteries.

##### After inhalation

Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

##### After skin contact

In case of contact with skin wash off with water. Get medical attention if pain still persists.

##### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). In case of irritation consult an ophthalmologist.

##### After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Carbon dioxide; Dry chemical extinguisher; Water spray jet; Water mist

##### Unsuitable extinguishing media

High power water jet

#### 5.2 Special hazards arising from the substance or mixture

May explode if exposed to heat.

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

##### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

##### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

#### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

#### 6.3 Methods and material for containment and cleaning up

Take up mechanically. Send in suitable containers for recovery or disposal.

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## 6.4 Reference to other sections

Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Ensure adequate ventilation. When charging the battery, use dedicated charges and follow the specified conditions. Improper charging may cause the battery to flame. Do not disassemble or modify the battery.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash soiled clothing. Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

No special measures necessary.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Protect from heat and direct sunlight. Protect against humidity

#### Recommended storage temperature

Value 15 - 25 °C

#### Requirements for storage rooms and vessels

Keep only in the original container.

#### Advice on storage assembly

Do not store together with: combustible materials

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No parameters available for monitoring.

### 8.2 Exposure controls

#### Appropriate engineering controls

No data available.

#### Personal protective equipment

##### Respiratory protection

No special measures required.

##### Eye / face protection

No special measures required.

##### Hand protection

No special measures required.

##### Other

No special measures required.

#### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form/Colour
solid

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<b>Odour</b>
No data available
<b>Odour threshold</b>
No data available
<b>pH value</b>
No data available
<b>Boiling point / boiling range</b>
No data available
<b>Melting point / melting range</b>
No data available
<b>Decomposition point / decomposition range</b>
No data available
<b>Flash point</b>
No data available
<b>Auto-ignition temperature</b>
No data available
<b>Oxidising properties</b>
No data available
<b>Explosive properties</b>
No data available
<b>Flammability (solid, gas)</b>
No data available
<b>Lower flammability or explosive limits</b>
No data available
<b>Upper flammability or explosive limits</b>
No data available
<b>Vapour pressure</b>
No data available
<b>Vapour density</b>
No data available
<b>Evaporation rate</b>
No data available
<b>Relative density</b>
No data available
<b>Density</b>
No data available
<b>Solubility in water</b>
No data available
<b>Solubility(ies)</b>
No data available
<b>Partition coefficient: n-octanol/water</b>
No data available
<b>Viscosity</b>
No data available

**9.2 Other information**

<b>Other information</b>
No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

### 10.4 Conditions to avoid

Moisture. Heat; Temperatures > 60°C

### 10.5 Incompatible materials

none, if handled according to order

### 10.6 Hazardous decomposition products

None if stored, handled and transported properly.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>
No data available

No data available

<b>Acute dermal toxicity</b>
No data available

No data available

<b>Acute inhalational toxicity</b>
No data available

No data available

<b>Skin corrosion/irritation</b>
No data available

No data available

<b>Serious eye damage/irritation</b>
No data available

No data available

<b>Respiratory or skin sensitisation</b>
No data available

No data available

<b>Germ cell mutagenicity</b>
No data available

No data available

<b>Reproduction toxicity</b>
No data available

No data available

<b>Carcinogenicity</b>
No data available

No data available

<b>STOT - single exposure</b>
No data available

No data available

<b>STOT - repeated exposure</b>
No data available

No data available

<b>Aspiration hazard</b>
No data available

No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>
No data available
<b>Toxicity to fish (chronic)</b>
No data available
<b>Toxicity to Daphnia (acute)</b>
No data available
<b>Toxicity to Daphnia (chronic)</b>
No data available
<b>Toxicity to algae (acute)</b>
No data available
<b>Toxicity to algae (chronic)</b>
No data available
<b>Bacteria toxicity</b>
No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	
PBT assessment	No data available.
vPvB assessment	No data available.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

<b>Other information</b>
Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

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**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

Class	9
Classification code	M4
UN number	UN3481
Proper shipping name	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
Technical name	further non-hazardous ingredients, German water hazard class 2
Tunnel restriction code	E
Label	9
Remarks	on
Class	9
Classification code	M4
UN number	UN3480
Proper shipping name	LITHIUM ION BATTERIES
Tunnel restriction code	E
Label	9

**14.2 Transport IMDG**

Class	9
UN number	UN3481
Proper shipping name	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
Technical name	further non-hazardous ingredients, German water hazard class 2
EmS	F-A, S-I
Label	9
Remarks	or
Class	9
UN number	UN3480
EmS	F-A, S-I
Label	9

**14.3 Transport ICAO-TI / IATA**

Class	9
UN number	UN3481
Proper shipping name	Lithium ion batteries contained in equipment
Technical name	further non-hazardous ingredients, German water hazard class 2
Label	9
Remarks	or
Class	9
UN number	UN3480
Proper shipping name	Lithium ion batteries
Label	9

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the article does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XVII of the REACH regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

**Other regulations**

Adhere to the national sanitary and occupational safety regulations when using this product.

**15.2 Chemical safety assessment**

Not required.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Department issuing safety data sheet**

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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