



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 1 of 10

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

#### 1.1 Product identifier

Trade name: Aquatunes Bluetooth Speaker  
This safety data sheet pertains to the following products:  
26268LV0  
26269LV0  
26270LV0  
26271LV0  
26268LV3  
26323L00  
26324L00  
26325L00  
26326L00  
26327L00

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

General use: Lithium-ion battery

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

Company name: Grohe AG  
Street/POB-No.: Industriepark Edelburg  
Postal Code, city: 58675 Hemer  
Germany  
WWW: www.grohe.com  
E-mail: info@grohe.com  
Telephone: +49 (0)2372 93-0  
Telefax: +49 (0)2372 93-1322  
Dept. responsible for information:  
Telephone: +49 (0)2372 93-2037  
sustainability@grohe.com

#### 1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,  
Telephone: +49 551-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Article not subject to hazard labelling or classification.

#### 2.2 Label elements

##### Labelling (CLP)

not applicable



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 2 of 10

### 2.3 Other hazards

The battery is hermetically sealed.

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:

Information about Cobalt lithium dioxide:

Suspected of causing cancer. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Information about Lithium hexafluorophosphate (electrolyte):

After contact with water: Formation of Hydrogen fluoride.

Causes severe skin burns and eye damage. Toxic if swallowed.

Causes damage to organs through prolonged or repeated exposure.

Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Lithium-ion battery - Article.

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

Hazardous ingredients:

| Ingredient                            | Designation                    | Content   | Classification                                                                      |
|---------------------------------------|--------------------------------|-----------|-------------------------------------------------------------------------------------|
| EC No.<br>235-362-0<br>CAS 12190-79-3 | Cobalt lithium dioxide         | 30 - 50 % | Resp. Sens. 1; H334. Skin Sens. 1; H317.<br>Carc. 2; H351. Aquatic Chronic 4; H413. |
| EC No.<br>244-334-7<br>CAS 21324-40-3 | Lithium<br>hexafluorophosphate | 10 - 20 % | Acute Tox. 3; H301. Skin Corr. 1A; H314.<br>Eye Dam. 1; H318. STOT RE 1; H372.      |

Full text of H- and EUH-statements: see section 16.

Additional information: Contains Graphite (15-25%), Copper (7-14%), Aluminium (< 20%), Polyvinylidene fluoride (3-8%).

The maximum workplace exposure limits are, where necessary, listed in section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: In case of damaged battery cases: Release of dangerous ingredients possible. In case of heating: development of gases/vapours possible.

In case of inhalation: In case of damaged battery cases:  
Provide fresh air. Keep victim at rest in half upright position. If breathing has stopped, give artificial respiration immediately.  
Seek medical attention.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 3 of 10

- Following skin contact: In case of damaged battery cases / In case of exposure to hazardous ingredients: Immediately clean with water and soap and, if available, apply a generous amount of polyethylene glycol 400. Take off immediately all contaminated clothing. Subsequently consult physician.
- After eye contact: In case of damaged battery cases / In case of exposure to hazardous ingredients: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: In case of damaged battery cases / In case of exposure to hazardous ingredients: Drink large quantities of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.

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

No hazardous reaction when handled and stored according to provisions.  
In case of damaged battery cases / In case of exposure to hazardous ingredients: Suspected of causing cancer.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Toxic if swallowed.  
Causes severe skin burns and eye damage. May cause an allergic skin reaction.  
Causes damage to organs through prolonged or repeated exposure.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

Dry extinguishing powder, carbon dioxide.

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

> 130 °C: Generation of heat. Ignition.  
In case of fire may be liberated: toxic gases/vapours, Metal oxide smoke, hydrogen fluoride, carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information:

Hazchem-Code: 4W

Cool endangered containers with water spray and, if possible, remove from danger zone.  
Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

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

In case of damaged battery cases:  
Eliminate all ignition sources if safe to do so. Provide fresh air. Avoid exposure.  
Avoid contact with the substance. Wear appropriate protective equipment. Keep unprotected people away.  
In case of development of vapours or dust: Do not inhale vapours or dust particles.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 4 of 10

### 6.2 Environmental precautions

Product contains heavy metals. Discharge into the environment must be avoided. Special pre-treatment is necessary.

Do not allow uncontrolled discharge of product into the environment.

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

Take up mechanically. Dispose of waste according to applicable legislation.

Additional information:

Avoid short circuit. Avoid damage to the battery casing.

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.

Information about electrolyte, CAS No. 21324-40-3:

After contact with water: Formation of Hydrogen fluoride.

Causes severe skin burns and eye damage. Toxic if swallowed.

Causes damage to organs through prolonged or repeated exposure.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid damage to the battery casing.

In case of damaged battery cases: Avoid exposure. Avoid contact with the substance.

Wear appropriate protective equipment. Keep unprotected people away.

In case of development of vapours or dust: Do not inhale vapours or dust particles.

Precautions against fire and explosion:

Avoid short circuit. Avoid damage to the battery casing.

In case of damaged battery cases: Eliminate all ignition sources if safe to do so.

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

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.

Protect from: humidity, heat, UV-radiation/sunlight.

Hints on joint storage:

Do not store together with metals, acids, bases or oxidizing agents.

### 7.3 Specific end use(s)

No information available.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 5 of 10

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values:

| CAS No.    | Designation            | Type                    | Limit value                               |
|------------|------------------------|-------------------------|-------------------------------------------|
| 12190-79-3 | Cobalt lithium dioxide | Great Britain: WEL-TWA  | 0.1 mg/m <sup>3</sup>                     |
|            |                        | Ireland: 8 hours        | 0.1 mg/m <sup>3</sup>                     |
| 7782-42-5  | Graphite               | Great Britain: WEL-TWA  | 10 mg/m <sup>3</sup> (inhalable fraction) |
|            |                        | Great Britain: WEL-TWA  | 4 mg/m <sup>3</sup> (respirable fraction) |
| 7440-50-8  | Copper                 | Great Britain: WEL-STEL | 2 mg/m <sup>3</sup>                       |
|            |                        |                         | (Dusts and mist calculated as Cu)         |
|            |                        | Great Britain: WEL-TWA  | 0.2 mg/m <sup>3</sup> (Smoke)             |
|            |                        | Great Britain: WEL-TWA  | 1 mg/m <sup>3</sup>                       |
|            |                        |                         | (Dusts and mist calculated as Cu)         |
|            |                        | Ireland: 15 minutes     | 2 mg/m <sup>3</sup>                       |
|            |                        |                         | (Dusts and mist calculated as Cu)         |
|            |                        | Ireland: 8 hours        | 0.2 mg/m <sup>3</sup> (Smoke)             |
|            |                        | Ireland: 8 hours        | 1 mg/m <sup>3</sup>                       |
|            |                        |                         | (Dusts and mist calculated as Cu)         |
| 7429-90-5  | Aluminium              | Great Britain: WEL-TWA  | 10 mg/m <sup>3</sup> (inhalable fraction) |
|            |                        | Great Britain: WEL-TWA  | 4 mg/m <sup>3</sup> (respirable fraction) |
|            |                        | Ireland: 8 hours        | 1 mg/m <sup>3</sup> (respirable fraction) |

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

#### 8.2 Exposure controls

In case of damaged battery cases: Provide adequate ventilation.

In case of development of vapours or dust: Avoid breathing dust and vapours. The use of local exhaust ventilation is recommended.

#### Personal protection equipment

##### Occupational exposure controls

Respiratory protection: In case of damaged battery cases:  
Respiratory protection must be worn whenever the WEL levels have been exceeded.  
Half mask with particle filter P according to EN 143.  
If necessary: When vapours form combination filter Use filter type A, B, K according to EN 14387.

Hand protection: In case of damaged battery cases:  
Protective gloves according to EN 374.  
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 EN 166.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 6 of 10

### General protection and hygiene measures:

In case of damaged battery cases:

Do not inhale vapours or dust particles. Avoid exposure. Keep away from sources of ignition - No smoking.

Avoid contact with the substance. Safety shower and eye wash station should be easily accessible to the work area.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs. When using do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                          |                                                                 |
|------------------------------------------|-----------------------------------------------------------------|
| Appearance:                              | Physical state at 20 °C and 101.3 kPa: solid<br>Colour: silvery |
| Odour:                                   | odourless                                                       |
| Odour threshold:                         | No data available                                               |
| pH value:                                | not applicable                                                  |
| Melting point/freezing point:            | No data available                                               |
| Initial boiling point and boiling range: | No data available                                               |
| Flash point/flash point range:           | Not applicable                                                  |
| Evaporation rate:                        | No data available                                               |
| Flammability:                            | No data available                                               |
| Explosion limits:                        | No data available                                               |
| Vapour pressure:                         | No data available                                               |
| Vapour density:                          | No data available                                               |
| Density:                                 | No data available                                               |
| Water solubility:                        | insoluble                                                       |
| Partition coefficient: n-octanol/water:  | No data available                                               |
| Auto-ignition temperature:               | No data available                                               |
| Decomposition temperature:               | No data available                                               |
| Viscosity, kinematic:                    | No data available                                               |
| Explosive properties:                    | No data available                                               |
| Oxidizing characteristics:               | No data available                                               |

### 9.2 Other information

|                         |                   |
|-------------------------|-------------------|
| Additional information: | No data available |
|-------------------------|-------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

refer to 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 7 of 10

### 10.3 Possibility of hazardous reactions

Fire hazard in case of technical defects.  
In case of damaged battery cases:  
May be corrosive to metals.  
After contact with water: formation of Hydrogen fluoride.

### 10.4 Conditions to avoid

> 130 °C: Generation of heat. Ignition.  
Protect from: humidity, heat, UV-radiation/sunlight  
Avoid short circuit. Avoid damage to the battery casing.  
In case of damaged battery cases:  
Keep away from water. Keep away from sources of ignition - No smoking.

### 10.5 Incompatible materials

Keep away from metals, acids, bases and oxidizing agents.  
In case of damaged battery cases: Keep away from water.

### 10.6 Hazardous decomposition products

In case of fire may be liberated: toxic gases/vapours, Metal oxide smoke, hydrogen fluoride, carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

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.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 8 of 10

Other information: Information about Cobalt lithium dioxide:  
Suspected of causing cancer. May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.  
Information about Lithium hexafluorophosphate (electrolyte):  
After contact with water: Formation of Hydrogen fluoride.  
Causes severe skin burns and eye damage. Toxic if swallowed.  
Causes damage to organs through prolonged or repeated exposure.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Information about cobalt lithium dioxide:  
May cause long lasting harmful effects to aquatic life.

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

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

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Product contains heavy metals. Discharge into the environment must be avoided. Special pre-treatment is necessary.  
Do not allow uncontrolled discharge of product into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 16 06 05 = Batteries and accumulators  
Recommendation: Product contains Metallic oxides containing heavy metals.  
Recycling or special waste incineration.

#### Contaminated packaging

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





# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 9 of 10

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:

UN 3481

#### 14.2 UN proper shipping name

ADR/RID, IATA-DGR: UN 3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT

IMDG: UN 3481, LITHIUM ION BATTERIES contained in equipment

#### 14.3 Transport hazard class(es)

ADR/RID: Class 9, Code: M4

IMDG: Class 9, Subrisk -

IATA-DGR: Class 9



#### 14.4 Packing group

ADR/RID, IATA-DGR: not applicable

IMDG: -

#### 14.5 Environmental hazards

Marine pollutant: no

#### 14.6 Special precautions for user

##### Land transport (ADR/RID)

Warning board: ADR: UN number UN 3481  
RID: Kemmler-number 90, UN number UN 3481

Hazard label: 9A

Special provisions: 188 230 310 348 360 376 377 636

Limited quantities: 0

EQ: E0

Contaminated packaging - Instructions: P903 P908 P909 P910 LP903 LP904

Tunnel restriction code: E

##### Sea transport (IMDG)

EmS: F-A, S-I

Special provisions: 188, 230, 310, 348, 360, 376, 377, 384

Limited quantities: 0

Excepted quantities: E0

Contaminated packaging - Instructions: P903, P908, P909, P910, LP903, LP904

Contaminated packaging - 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 encased in a rigid metallic body.  
Lithium ion batteries may also be shipped in or packed with equipment.  
Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.

Segregation group: none



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 7/8/2017  
Version: 3  
Language: en-GB,IE  
Date of print: 10/7/2018

## Aquatunes Bluetooth Speaker

Material number 262x/263x

Page: 10 of 10

### Air transport (IATA)

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Hazard label:                           | Miscellaneous Lithium 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 A164 A181 A185 A206      |
| Emergency Response Guide-Code (ERG):    | 9F                                        |

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

No data available

## SECTION 15: Regulatory information

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

#### National regulations - Great Britain

Hazchem-Code: 4W  
No data available

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H301 = Toxic if swallowed.  
H314 = Causes severe skin burns and eye damage.  
H317 = May cause an allergic skin reaction.  
H318 = Causes serious eye damage.  
H334 = May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351 = Suspected of causing cancer.  
H372 = Causes damage to organs through prolonged or repeated exposure.  
H413 = May cause long lasting harmful effects to aquatic life.

Reason of change: Changes in section 8: biological limit values (aluminium, only applicable in Germany)  
Date of first version: 14/6/2016

### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.