Cylindrical Lithium-ion Battery - Model F18650 2600

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Print date: 03.09.2015 Page 1 of 11

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

1.1. Product identifier

Cylindrical Lithium-ion Battery - Model F18650 2600

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

Use of the substance/mixture

Electrical batteries and accumulators

1.3. Details of the supplier of the safety data sheet

Company name: Vim Solution GmbH
Street: Im Eck 5
Place: D-79199 Kirchzarten
Telefax: +49 7661 90949-10

Contact person: Bastian Scheil
e-mail: info@vim-solution.com
Internet: www.vim-solution.com

1.4. Emergency telephone number:

+49 159 04052409 (08:00 - 17:00 (CEST) + 02 UTC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Skin Sens. 1
Carcinogenicity: Carc. 2
Reproductive toxicity: Repr. 2
Specific target organ toxicity - repeated exposure: STOT RE 2

Hazard Statements:
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility.
May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazardous components which must be listed on the label
- cobalt lithium dioxide
- nickel
- lithium hexafluorophosphate

Signal word: Warning

Pictograms:

Hazard statements
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
### Precautionary statements

- **P201**: Obtain special instructions before use.
- **P202**: Do not handle until all safety precautions have been read and understood.
- **P260**: Do not breathe dust/fume/gas/mist/vapours/spray.
- **P264**: Wash hands thoroughly after handling.
- **P227**: Contaminated work clothing should not be allowed out of the workplace.
- **P280**: Wear protective gloves/protective clothing/eye protection/face protection.
- **P301+P351+P338**: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P302+P352**: If on skin: Wash with plenty of water.
- **P305+P351+P338**: If in eyes: Wash with plenty of water.
- **P313**: Specific treatment (see General information on this label).
- **P337+P313**: If eye irritation persists: Get medical advice/attention.
- **P362**: Take off contaminated clothing.
- **P363**: Wash contaminated clothing before reuse.
- **P364**: Wash hands thoroughly after handling.
- **P365**: Use protective gloves and eye protection.
- **P376**: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice/attention.
- **P405**: Store locked up.
- **P501**: Dispose of contents/container to Dispose of waste according to applicable legislation.

### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
</tr>
</thead>
<tbody>
<tr>
<td>12190-79-3</td>
<td>cobalt lithium dioxide</td>
<td>10 - 25%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>235-362-0</td>
<td>Repr. 2; H361f</td>
<td>01-2119974118-31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>231-111-4</td>
<td>nickel</td>
<td>5 - 10%</td>
<td>028-002-00-7</td>
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<td></td>
</tr>
<tr>
<td>96-49-1</td>
<td>ethylene carbonate</td>
<td>2.5 - 5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>202-510-0</td>
<td>Eye Irrit. 2; H319</td>
<td>01-2119540523-46</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21324-40-3</td>
<td>lithium hexafluorophosphate</td>
<td>1 - 2.5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>244-334-7</td>
<td>Acute Tox. 3, Skin Corr. 1A, STOT RE 1; H301 H314 H372</td>
<td>01-211962901-34</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.
After inhalation
Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin
After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion
Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Medical treatment necessary.

4.2. Most important symptoms and effects, both acute and delayed
No information available.

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
Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture
Non-flammable.

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information
Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation. Avoid generation of dust. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid generation of dust. Do not breathe dust.

Advice on protection against fire and explosion
No special fire protection measures are necessary.
7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

Advice on storage compatibility
No special measures are necessary.

7.3. Specific end use(s)
Electrical batteries and accumulators

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>7429-90-5</td>
<td>Aluminium metal, respirable dust</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td>-</td>
<td>Cobalt and cobalt compounds (as Co)</td>
<td>-</td>
<td>0.1</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td>7440-50-8</td>
<td>Copper, dusts and mists (as Cu)</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td>16984-48-8</td>
<td>Fluoride (inorganic as F)</td>
<td>-</td>
<td>2.5</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td>7439-96-5</td>
<td>Manganese</td>
<td>-</td>
<td>0.5</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td>-</td>
<td>Nickel and its inorganic compounds (except nickel tetracarbonyl); nickel and water-insoluble nickel compounds (as Ni)</td>
<td>-</td>
<td>0.5</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls
If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Protective and hygiene measures
Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection
Suitable eye protection: goggles.

Hand protection
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the
supplier of these gloves.

**Skin protection**
Wear suitable protective clothing.

**Respiratory protection**
In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>solid</th>
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</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>pink</td>
</tr>
<tr>
<td>Odour:</td>
<td>odourless</td>
</tr>
</tbody>
</table>

**Test method**

| pH-Value: | not determined |

**Changes in the physical state**

<table>
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<tr>
<th>Melting point:</th>
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<tbody>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>101,1 °C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>22 °C</td>
</tr>
</tbody>
</table>

**Flammability**

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lower explosion limits:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper explosion limits:</td>
<td>not determined</td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>&gt; 400 °C</td>
</tr>
</tbody>
</table>

**Auto-ignition temperature**

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

| Decomposition temperature: | not determined |

**Oxidizing properties**

Not oxidizing.

<table>
<thead>
<tr>
<th>Vapour pressure:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density:</td>
<td>not determined</td>
</tr>
<tr>
<td>Water solubility:</td>
<td>insoluble</td>
</tr>
</tbody>
</table>

**Solubility in other solvents**

not determined

<table>
<thead>
<tr>
<th>Partition coefficient:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapour density:</td>
<td>not determined</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>not determined</td>
</tr>
<tr>
<td>Solvent content:</td>
<td>&gt; 3 %</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

| Solid content: | > 71 % |

Electrical batteries and accumulators: 3,6V; 2600mAh

### SECTION 10: Stability and reactivity
10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials
Oxidising agent, Base, Acid

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure routes</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>12190-79-3</td>
<td>cobalt lithium dioxide</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 5000 mg/kg</td>
<td>Rat</td>
<td>ECHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 2000 mg/kg</td>
<td>Rat</td>
<td>ECHA</td>
</tr>
<tr>
<td>7440-02-0</td>
<td>nickel</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 9000 mg/kg</td>
<td>Rat</td>
<td>OECD 401</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative (1 h) aerosol</td>
<td>LC50</td>
<td>&gt; 10,2 mg/l</td>
<td>Rat</td>
<td>IUCLID</td>
</tr>
<tr>
<td>96-49-1</td>
<td>ethylene carbonate</td>
<td>oral</td>
<td>LD50</td>
<td>10400 mg/kg</td>
<td>Rat</td>
<td>OECD 401</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 2000 mg/kg</td>
<td>Rat</td>
<td>OECD 402</td>
</tr>
<tr>
<td>21324-40-3</td>
<td>lithium hexafluorophosphate</td>
<td>oral</td>
<td>LD50</td>
<td>50 - 300 mg/kg</td>
<td>Rat</td>
<td>OECD 423</td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes skin irritation.
Causes serious eye irritation.

Sensitising effects
May cause an allergic skin reaction. (nickel)

STOT-single exposure
Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure
May cause damage to organs through prolonged or repeated exposure.

Carcinogenic/mutagenic/toxic effects for reproduction
Suspected of causing cancer. (nickel)
Suspected of damaging fertility. (cobalt lithium dioxide)

Aspiration hazard
Based on available data, the classification criteria are not met.
Additional information on tests
This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

SECTION 12: Ecological information

12.1. Toxicity
The product is not: Ecotoxic.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Method</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>12190-79-3</td>
<td>cobalt lithium dioxide</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>54,1 mg/l</td>
<td>96 h</td>
<td>Pimephales promelas</td>
<td>ASTM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(fathead minnow)</td>
<td>ASTMMitted</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>3,7 mg/l</td>
<td>48 h</td>
<td>Crassostrea gigas</td>
<td>ASTM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish toxicity</td>
<td>NOEC</td>
<td>22,32 mg/l</td>
<td>4 d</td>
<td>Pimephales promelas</td>
<td>ASTM</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(fathead minnow)</td>
<td>ASTMMitted</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Algea toxicity</td>
<td>NOEC</td>
<td>32,2 mg/l</td>
<td>3 d</td>
<td>Pseudokirchieriella subcapitata</td>
<td>ECHA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crustacea toxicity</td>
<td>NOEC</td>
<td>9,827 mg/l</td>
<td>2  d</td>
<td>Crassostrea gigas</td>
<td>ASTM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute bacteria toxicity</td>
<td>(0,12 mg/l)</td>
<td>0,5 h</td>
<td>Activated Sludge</td>
<td>ECHA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7440-02-0 | nickel                   | Acute fish toxicity | LC50   | 15,3 mg/l | 96 h | Oncorhynchus mykiss      | IUCLID          |
|          |                           |                  |        |        |     | (Rainbow trout)          | IUCLID          |
|          |                           | Acute algae toxicity | ErC50  | 91,8 mg/l | 72 h | Pseudokirchieriella subcapitata | OECD 201        |
|          |                           | Acute crustacea toxicity | EC50   | 105,1 mg/l | 48 h | Ceriodaphnia dubia       | OECD            |
|          |                           | Algea toxicity    | NOEC   | 29,4 mg/l | 3 d | Pseudokirchieriella subcapitata | OECD 201        |
|          |                           | Crustacea toxicity | NOEC   | 33 mg/l | 0,5 h | Activated Sludge | ISO 8192       |

96-49-1   | ethylene carbonate       | Acute fish toxicity | LC50   | 49000 mg/l | 96 h | Pimephales promelas      | ASTM            |
|          |                           |                  |        |        |     | (fathead minnow)         | ASTM            |
|          |                           | Acute crustacea toxicity | EC50   | 5900 mg/l | 48 h | Ceriodaphnia dubia       | EPA/600/4-85/013 |

21324-40-3 | lithium hexafluorophosphate | Acute fish toxicity | LC50   | 369 mg/l | 96 h | Oryzias latipes (Ricefish) | NITE           |
|          |                           |                  |        |        |     | (Rainbow trout)          | IUCLID          |
|          |                           | Acute algae toxicity | ErC50  | > 100 mg/l | 96 h | Pseudokirchieriella subcapitata | OECD 201        |
|          |                           | Acute crustacea toxicity | EC50   | > 100 mg/l | 48 h | Daphnia magna (Big water flea) | OECD 202        |
|          |                           | Fish toxicity     | NOEC   | 2,3 mg/l | 5 d | Oncorhynchus mykiss      | IUCLID          |
|          |                           |                  |        |        |     | (Rainbow trout)          | IUCLID          |
|          |                           | Algea toxicity    | NOEC   | 22 mg/l | 4 d | Pseudokirchieriella subcapitata | OECD 201        |
|          |                           | Crustacea toxicity | NOEC   | 100 mg/l | 2  d | Daphnia magna (Big water flea) | OECD 202        |

12.2. Persistence and degradability
The product has not been tested.
12.3. Bioaccumulative potential

The product has not been tested.

**Partition coefficient n-octanol/water**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>96-49-1</td>
<td>ethylene carbonate</td>
<td>0,11</td>
</tr>
</tbody>
</table>

**BCF**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>BCF</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>7440-02-0</td>
<td>nickel</td>
<td>14</td>
<td>Polygonum amphibium</td>
<td>IUCLID</td>
</tr>
<tr>
<td>21324-40-3</td>
<td>lithium hexafluorophosphate</td>
<td>&lt; 4,3</td>
<td>Cyprinus carpio (Common Carp)</td>
<td>NITE</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

**Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Waste disposal number of waste from residues/unused products**

160605 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; batteries and accumulators; other batteries and accumulators

**Waste disposal number of used product**

160605 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; batteries and accumulators; other batteries and accumulators

**Contaminated packaging**

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

14.1. **UN number:** UN 3481

14.2. **UN proper shipping name:** LITHIUM ION BATTERIES packed with equipments

14.3. **Transport hazard class(es):** 9

14.4. **Packing group:** -
### Inland waterways transport (ADN)

14.1. UN number: UN 3481  
14.2. UN proper shipping name: LITHIUM ION BATTERIES packed with equipments  
14.3. Transport hazard class(es): 9  
14.4. Packing group: M4  
Hazard label: 9

<table>
<thead>
<tr>
<th>Classification code:</th>
<th>M4</th>
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<tbody>
<tr>
<td>Special Provisions:</td>
<td>188 230 348 360 376 377 6</td>
</tr>
<tr>
<td>Limited quantity:</td>
<td>0</td>
</tr>
<tr>
<td>Excepted quantity:</td>
<td>E0</td>
</tr>
<tr>
<td>Transport category:</td>
<td>2</td>
</tr>
<tr>
<td>Tunnel restriction code:</td>
<td>E</td>
</tr>
</tbody>
</table>

### Marine transport (IMDG)

14.1. UN number: UN 3481  
14.2. UN proper shipping name: LITHIUM ION BATTERIES packed with equipments  
14.3. Transport hazard class(es): 9  
14.4. Packing group: M4  
Hazard label: 9

<table>
<thead>
<tr>
<th>Special Provisions:</th>
<th>188, 230, 348, 360, 376, 377</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited quantity:</td>
<td>0</td>
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<tr>
<td>Excepted quantity:</td>
<td>E0</td>
</tr>
<tr>
<td>EmS:</td>
<td>F-A, S-I</td>
</tr>
</tbody>
</table>

### Air transport (ICAO)

14.1. UN number: UN 3481  
14.2. UN proper shipping name: LITHIUM ION BATTERIES packed with equipments  
14.3. Transport hazard class(es): 9  
14.4. Packing group: M4  
Hazard label: 9

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Limited quantity Passenger:</td>
<td>Forbidden</td>
</tr>
</tbody>
</table>
Safety Data Sheet

according to Regulation (EC) No 1907/2006

Cylindrical Lithium-ion Battery - Model F18650 2600

Print date: 03.09.2015 Page 10 of 11

Passenger LOQ: Forbidden
Excepted quantity: E0
IATA-packing instructions - Passenger: 966
IATA-max. quantity - Passenger: 5 kg
IATA-packing instructions - Cargo: 966
IATA-max. quantity - Cargo: 35 kg

14.5. Environmental hazards
ENVIROMENTALLY HAZARDOUS: no

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information
2004/42/EC (VOC): > 9,8 %
Additional information

National regulatory information
Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class (D): 2 - water contaminating
Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes
This data sheet contains changes from the previous version in section(s): 9,10,14,15.

Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H361f Suspected of damaging fertility.
**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*