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

1.1. Product identifier
- **Product Name**: Nickel Cadmium Battery
- **REACH registration number**: No information available

1.2. Relevant identified uses of the substance or mixture and uses advised against
- **Recommended Use**: Used to supply electrical energy
- **Uses advised against**: No information available

1.3. Details of the supplier of the safety data sheet
- **Supplier**: Jiangmen JJJ Battery Co., Ltd.
- **Address**: No.83 Yongsheng Road, Baisha Ind. Dev. Area West, Jiangmen city, Guangdong province, China
- **Postal Code**: 529000
- **Phone**: +86-750-3534405
- **FAX**: +86-750-3534305
- **E-mail**: lsp@jjjbattery.com

1.4. Emergency telephone number
- +86-750-3534405

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
- **Classification according to Regulation (EC) No. 1272/2008 [CLP]**
  - This product is not classified as hazardous.

2.2. Label elements
- **Symbols/Pictograms**: None
- **Signal word**: None
- **Hazard Statements**: Not applicable
- **Precautionary Statements**: Not applicable

2.3. Other hazards
- No information available

SECTION 3: Composition/information on ingredients

3.1. Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron</td>
<td>231-096-4</td>
<td>7439-89-6</td>
<td>34.4</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General advice**
Remove contaminated clothing and shoes. If symptoms persist, call a physician.

**Inhalation**
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin Contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

**Eye contact**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion**
Rinse mouth Get medical attention Never give anything by mouth to an unconscious person

#### 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
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
No information available

5.2. Special hazards arising from the substance or mixture
Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Advice for firefighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate personnel to safe areas
Ensure adequate ventilation, especially in confined areas
Remove all sources of ignition
Avoid contact with skin, eyes and inhalation of vapors
Use personal protection recommended in Section 8

6.2. Environmental precautions
Local authorities should be advised if significant spillages cannot be contained
Prevent entry into waterways, sewers, basements or confined areas

6.3. Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13)

6.4. Reference to other sections
See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practice
Ensure adequate ventilation, especially in confined areas
Avoid contact with skin, eyes or clothing
Wash contaminated clothing before reuse
Take precautionary measures against static discharges
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product
Wash thoroughly after handling
Use personal protection recommended in Section 8

7.2. Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry, cool and well-ventilated place
Keep away from heat
Keep locked up and out of reach of children
Store in accordance with local regulations
7.3. Specific end use(s)
Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Australia</th>
<th>Austria</th>
<th>Belgium</th>
<th>Denmark</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium oxide (CAS #: 1306-19-0)</td>
<td>0.01 mg/m³</td>
<td>-</td>
<td>-</td>
<td>TWA: 0.005 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Nickel hydroxide (CAS #: 12054-48-7)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>TWA: 0.05 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Nickel hydroxide (CAS #: 7440-02-0)</td>
<td>1 mg/m³</td>
<td>-</td>
<td>-</td>
<td>TWA: 0.05 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS #: 1310-58-3)</td>
<td>2 mg/m³ Peak</td>
<td>TWA: 2 mg/m³</td>
<td>-</td>
<td>Ceiling: 2 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Cadmium and compounds (as Cd) (CAS #: 7440-43-9)</td>
<td>0.01 mg/m³</td>
<td>-</td>
<td>-</td>
<td>TWA: 0.005 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Cobalt(II) oxide (CAS #: 1307-96-6)</td>
<td>-</td>
<td>Skin</td>
<td>-</td>
<td>TWA: 0.01 mg/m³</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Latvia</th>
<th>France</th>
<th>Finland</th>
<th>Germany</th>
<th>Italy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium oxide (CAS #: 1306-19-0)</td>
<td>TWA: 0.01 mg/m³</td>
<td>STEL: 0.05 mg/m³</td>
<td>TWA: 0.05 mg/m³</td>
<td>TWA: 0.02 mg/m³</td>
<td>Skin</td>
</tr>
<tr>
<td>Nickel hydroxide (CAS #: 12054-48-7)</td>
<td>TWA: 0.05 mg/m³</td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td>Nickel (CAS #: 7440-02-0)</td>
<td>TWA: 0.05 mg/m³</td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td>Potassium hydroxide (CAS #: 1310-58-3)</td>
<td>STEL: 2 mg/m³</td>
<td>Ceiling: 2 mg/m³</td>
<td>TWA: 0.02 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td>Cadmium and compounds (as Cd) (CAS #: 7440-43-9)</td>
<td>TWA: 0.01 mg/m³</td>
<td>STEL: 0.05 mg/m³</td>
<td>TWA: 0.02 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td>Cobalt(II) oxide (CAS #: 1307-96-6)</td>
<td>TWA: 0.5 mg/m³</td>
<td>-</td>
<td>TWA: 0.02 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Poland</th>
<th>Portugal</th>
<th>Spain</th>
<th>Switzerland</th>
<th>Netherlands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium oxide (CAS #: 1306-19-0)</td>
<td>TWA: 0.01 mg/m³</td>
<td>TWA: 0.002 mg/m³</td>
<td>TWA: 0.01 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td>Nickel hydroxide (CAS #: 12054-48-7)</td>
<td>TWA: 0.25 mg/m³</td>
<td>TWA: 0.2 mg/m³</td>
<td>TWA: 0.2 mg/m³</td>
<td>TWA: 0.05 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Nickel (CAS #: 7440-02-0)</td>
<td>TWA: 0.25 mg/m³</td>
<td>TWA: 1.5 mg/m³</td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 0.5 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS #: 1310-58-3)</td>
<td>STEL: 1 mg/m³</td>
<td>Ceiling: 2 mg/m³</td>
<td>TWA: 0.01 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td>Cadmium and compounds (as Cd) (CAS #: 7440-43-9)</td>
<td>TWA: 0.01 mg/m³</td>
<td>TWA: 0.002 mg/m³</td>
<td>TWA: 0.01 mg/m³</td>
<td>TWA: 0.015 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Cobalt(II) oxide (CAS #: 1307-96-6)</td>
<td>TWA: 0.02 mg/m³</td>
<td>TWA: 0.02 mg/m³</td>
<td>TWA: 0.02 mg/m³</td>
<td>Skin</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Norway</th>
<th>United Kingdom</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium oxide (CAS #: 1306-19-0)</td>
<td>TWA: 0.05 mg/m³ Ceiling: 0.02 mg/m³</td>
<td>STEL: 0.05 mg/m³</td>
<td>TWA: 0.01 mg/m³ Cd</td>
<td>TWA: 0.002 mg/m³ Cd</td>
<td>TWA: 0.01 mg/m³ Cd respirable fraction</td>
</tr>
<tr>
<td>Nickel hydroxide (CAS #: 12054-48-7)</td>
<td>TWA: 0.05 mg/m³ Steel: 0.05 mg/m³</td>
<td>TWA: 0.5 mg/m³</td>
<td>TWA: 0.2 mg/m³ Ni inhalable fraction</td>
<td>TWA: 1 mg/m³ Ni (vacated) TWA: 1 mg/m³ Ni</td>
<td>-</td>
</tr>
<tr>
<td>Nickel (CAS #: 7440-02-0)</td>
<td>TWA: 0.05 mg/m³ Steel: 0.05 mg/m³</td>
<td>TWA: 1.5 mg/m³</td>
<td>TWA: 1.5 mg/m³</td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 0.015 mg/m³ Ni (vacated) TWA: 1 mg/m³ Ni</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS #: 1310-58-3)</td>
<td>Ceiling: 2 mg/m³ Steel: 2 mg/m³</td>
<td>Ceiling: 2 mg/m³</td>
<td>(vacated) Ceiling: 2 mg/m³</td>
<td>-</td>
<td>IDLH: 10 mg/m³ Ni</td>
</tr>
</tbody>
</table>

Revision date: 11-Jun-2015
### Cadmium and compounds (as Cd) (CAS #: 7440-43-9)

<table>
<thead>
<tr>
<th></th>
<th>TWA: 0.05 mg/m³</th>
<th>STEL: 0.05 mg/m³</th>
<th>TWA: 0.075 mg/m³</th>
<th>TWA: 0.01 mg/m³</th>
<th>TWA: 0.002 mg/m³ respirable fraction</th>
<th>TWA: 0.01 mg/m³ Cd</th>
<th>TWA: 0.002 mg/m³ Cd respirable fraction</th>
<th>TWA: 0.1 mg/m³ dust</th>
<th>STEL: 0.05 mg/m³ dust</th>
<th>TWA: 0.025 mg/m³ dust</th>
<th>STEL: 0.3 mg/m³ dust</th>
<th>TWA: 0.1 mg/m³ dust and fume</th>
<th>STEL: 0.3 mg/m³ dust and fume</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cadmium</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>fume applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect</td>
<td></td>
<td>fume applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cobalt(II) oxide (CAS #: 1307-96-6)</strong></td>
<td>TWA: 0.02 mg/m³</td>
<td>STEL: 0.02 mg/m³</td>
<td>STEL: 0.06 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.02 mg/m³ Co</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Derived No Effect Level (DNEL)**

No information available

**Predicted No Effect Concentration (PNEC)**

No information available

8.2. Exposure controls

**Engineering Controls**

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

- **Eye/face protection**: Wear safety glasses with side shields (or goggles)
- **Hand Protection**: Wear protective gloves
- **Skin and body protection**: Suitable protective clothing
- **Respiratory protection**: In case of insufficient ventilation, wear suitable respiratory equipment

**Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water

### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Appearance**: Solid
- **Color**: Colorized
- **Odor**: Odourless
- **Odor Threshold**: Not determined
- **pH**: Not determined
- **Melting point/freezing point**: Not determined
- **Boiling point / boiling range**: Not determined
- **Flash point**: Not determined
- **Evaporation rate**: Not determined
Flammability (solid, gas) | Not determined
Flammability Limit in Air | Not determined
Vapor Pressure | Not determined
Vapor density | Not determined
Density | Not determined
Relative density | Not determined
Specific gravity | Not determined
Water solubility | Not determined
Partition coefficient (LogPow) | Not determined
Autoignition temperature | Not determined
Decomposition temperature | Not determined
Kinematic viscosity | Not determined
Dynamic viscosity | Not determined
Explosive properties | Not determined
Oxidizing properties | Not determined

9.2. Other information
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under recommended storage and handling conditions (see section 7, handling and storage).

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid
Heat, flames and sparks

10.5. Incompatible materials

10.6. Hazardous decomposition products
None under normal use conditions

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron (CAS #: 7439-89-6)</td>
<td>98.6 g/kg bw (rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cadmium oxide (CAS #: 1306-19-0)</td>
<td>= 72 mg/kg (Rat)</td>
<td>-</td>
<td>= 45 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Nickel hydroxide (CAS #: 12054-48-7)</td>
<td>= 1515 mg/kg (Rat)</td>
<td>&gt; 2 g/kg (Rat)</td>
<td>= 1200 mg/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Nickel (CAS #: 7440-02-0)</td>
<td>&gt; 9000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS #: 1310-58-3)</td>
<td>= 333 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cadmium and compounds (as Cd) (CAS #: 7440-43-9)</td>
<td>= 1140 mg/kg (Rat)</td>
<td>-</td>
<td>= 25 mg/m³ (Rat) 30 min</td>
</tr>
<tr>
<td>Cobalt(II) oxide (CAS #: 1307-96-6)</td>
<td>= 159 mg/kg (Rat) = 202 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lithium hydroxide (CAS #: 1310-65-2)</td>
<td>= 210 mg/kg (Rat)</td>
<td>-</td>
<td>= 960 mg/m³ (Rat) 4 h</td>
</tr>
</tbody>
</table>

Acute toxicity
Skin corrosion/irritation
Non-irritating to the skin.

Serious eye damage/eye irritation
No eye irritation.

Sensitization
No sensitization responses were observed.

Germ cell mutagenicity
No information available.

Carcinogenicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium oxide (CAS #: 1306-19-0)</td>
<td>Carc. 1B</td>
<td>Group 1</td>
</tr>
<tr>
<td>Nickel hydroxide (CAS #: 12054-48-7)</td>
<td>Carc. 1A</td>
<td>Group 1</td>
</tr>
<tr>
<td>Nickel (CAS #: 7440-02-0)</td>
<td>Carc. 2</td>
<td>Group 2B</td>
</tr>
<tr>
<td>Cadmium and compounds (as Cd) (CAS #: 7440-43-9)</td>
<td>Carc. 1B</td>
<td>Group 1</td>
</tr>
<tr>
<td>Cobalt(II) oxide (CAS #: 1307-96-6)</td>
<td>-</td>
<td>Group 2B</td>
</tr>
</tbody>
</table>

Reproductive toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Aspiration hazard
No information available.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants EC50</th>
<th>Fish LC50</th>
<th>Crustacea EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron (CAS #: 7439-89-6)</td>
<td>-</td>
<td>13.6: 96 h Morone saxatilis mg/L LC50 static</td>
<td>&gt; 100 mg/L/48h (Daphnia magna)</td>
</tr>
<tr>
<td>Nickel (CAS #: 7440-02-0)</td>
<td>0.18 mg/L/72h Pseudokirchneriella subcapitata 0.174 - 0.311 mg/L/96h Pseudokirchneriella subcapitata static</td>
<td>100 mg/L/96h Brachydanio rerio semi-static 1.3 mg/L/96h Cyprinus carpio static 10.4 mg/L/96h Cyprinus carpio static</td>
<td>100 mg/L/48h Daphnia magna 1 mg/L/48h Daphnia magna Static</td>
</tr>
<tr>
<td>Potassium hydroxide (CAS #: 1310-58-3)</td>
<td>-</td>
<td>80mg/L/96h Gambusia affinis static</td>
<td>-</td>
</tr>
</tbody>
</table>
Cadmium and compounds (as Cd) (CAS #: 7440-43-9) | 0.003: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.0004 - 0.003: 96 h Pimephales promelas mg/L LC50 0.006: 96 h Oncorhynchus mykiss mg/L LC50 static 0.002: 96 h Cyprinus carpio mg/L LC50 4.26: 96 h Cyprinus carpio mg/L LC50 semi-static 0.24: 96 h Cyprinus carpio mg/L LC50 static 21.1: 96 h Leomis macrochirus mg/L LC50 flow-through 0.016: 96 h Oryzias latipes mg/L LC50 0.0244: 48 h Daphnia magna mg/L EC50 Static

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient (LogPow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide (CAS #: 1310-58-3)</td>
<td>0.65</td>
</tr>
<tr>
<td></td>
<td>0.83</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No information available

12.5. Results of PBT and vPvB assessment
PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects
No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste from residues/unused products
Contaminated packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations

SECTION 14: Transport information

14.1 UN Number
Not regulated

14.2 Proper shipping name
Not regulated

14.3 Hazard Class
Not regulated

14.4 Packing Group
Not regulated

14.5 Environmental hazards
Not applicable

14.6 Special precautions
No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable
SECTION 15: Regulatory information

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

European Union

- Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
- Take note of Directive 94/33/EC on the protection of young people at work.
- Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work.

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>EINECS/ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron 7439-89-6 (34.4)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Cadmium oxide 1306-19-0 (28.3)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Nickel hydroxide 12054-48-7 (18.9)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>Nickel 7440-02-0 (5.9)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Potassium hydroxide 1310-58-3 (3.7)</td>
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<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Cadmium and compounds (as Cd) 7440-43-9 (3.3)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Cobalt(II) oxide 1307-96-6 (2.5)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Lithium hydroxide 1310-65-2 (0.3)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

"." Not Listed
"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue Date 11-Jun-2015
Revision date 11-Jun-2015
Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

- TWA - TWA (time-weighted average)
- STEL - STEL (Short Term Exposure Limit)
- Ceiling - Maximum limit value
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances
Full text of H-Statements referred to under section 3
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H330: Fatal if inhaled.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341: Suspected of causing genetic defects.
H350: May cause cancer.
H351: Suspected of causing cancer.
H360: May damage fertility or the unborn child.
H361: Suspected of damaging fertility or the unborn child.
H372: Causes damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Disclaimer
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

-------- End of Safety Data Sheet --------