Safety Data Sheets (SDSs)

For

Shenzhen HuanYuYuan Technology Co., Ltd.
Block 72C, Dongyuan Industrial Park, No.28 Beihuan Road West, Longteng Area, Shiyan Town, Bao’an District, Shenzhen, China

Model /Type reference 18650 3.7V 4400mAh
Trademark N/A
Nominal Voltage 3.7V
Typical Capacity 4400mAh 16.28Wh
Version Number V1.0
Preparation Date Aug. 19, 2019
Revision Date N/A
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Identifier**

- Product name: Lithium-ion Battery
- Model: 18650 3.7V 4400mAh

**Other means of identification**

- Synonyms: none

**Recommended use of the chemical and restrictions on use**

- Recommended Use: Used in portabl electronic equipments;
- Uses advised against:
  a) Do not dismantle, open or shred secondary cells or batteries.
  b) Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
  c) Do not short-circuit a cell or a battery. Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
  d) Do not remove a cell or battery from its original packaging until required for use.
  e) Do not subject cells or batteries to mechanical shock.
  f) In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
  g) Do not use any charger other than that specifically provided for use with the equipment.
  h) Observe the plus (+) and minus (−) marks on the cell, battery and equipment and ensure correct use.
  i) Do not use any cell or battery which is not designed for use with the equipment.
  j) Do not mix cells of different manufacture, capacity, size or type within a device.
  k) Battery usage by children should be supervised.
  l) Seek medical advice immediately if a cell or a battery has been swallowed.
  m) Always purchase the battery recommended by the device manufacturer for the equipment.
  n) Keep cells and batteries clean and dry.
  o) Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
  p) Secondary cells and batteries need to be charged before use. Always use the correct charger and refer to the manufacturer’s instructions or equipment manual for proper charging instructions.
  q) Do not leave a battery on prolonged charge when not in use.
  r) After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
  s) Retain the original product literature for future reference.
  t) Use only the cell or battery in the application for which it was intended.
  u) When possible, remove the battery from the equipment when not in use.
  v) Dispose of properly.

**Details of the supplier of the safety data sheet:**

- Supplier Name: Shenzhen HuanYuYuan Technology Co., Ltd.
- Address: Block 72C, Dongyuan Industrial Park, No.28 Beihuan Road West, Longteng Area, Shiyan Town, Bao’an District, Shenzhen, China
- Telephone number of the supplier: 0755-29686393
- mail address: xmxs2008@yeah.net
2. HAZARDS IDENTIFICATION

Classification
No harm at the normal use. If contact the Electrolyte in the Polymer Li-ion Battery, reference as follows:

Classification of the substance or mixture
Classification according to GHS

Lithium hexafluorophosphate(1-)
CAS no.: 21324-40-3
Toxic if swallowed (Hazard category 3)

<table>
<thead>
<tr>
<th>Classification of the substance or mixture</th>
<th>Lithium hexafluorophosphate(1-)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS no.: 21324-40-3</td>
<td>Toxic if swallowed (Hazard category 3)</td>
</tr>
</tbody>
</table>

Precautionary statements

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Response</th>
<th>Storage</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>P244 Wash thoroughly after handling, ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</td>
<td>P401 + P100</td>
<td>P405 Store locked up.</td>
<td>P501 Dispose of contents/container to... in accordance with local/ regional/ national/ international regulations (to be specified). Manufacturer/ supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</td>
</tr>
<tr>
<td>P275 Do not eat, drink or smoke when using this product.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Causes severe skin burns and eye damage (Hazard category 1A to 1C)

Precautionary statements

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Response</th>
<th>Storage</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>P208 Do not breathe dust or mists, ... as if inhaled particular of dust or mist may occur during use.</td>
<td>P401 + P30 + P31</td>
<td>P405 Store locked up.</td>
<td>P501 Dispose of contents/container to... in accordance with local/ regional/ national/ international regulations (to be specified). Manufacturer/ supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</td>
</tr>
<tr>
<td>P24 Wash thoroughly after handling, ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</td>
<td>For SKIN (or hairy) Take off immediately all contaminated clothing, ... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P29 Wear protective gloves/ protective clothing/ eye protection/ face protection. Manufacturer/ supplier or the competent authority may further specify type of equipment when appropriate.</td>
<td>P401</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Causes damage to organs through prolonged or repeated exposure (Hazard category 1)
Cobalt lithium dioxide  
CAS no.: 12190-79-3  
May damage fertility or the unborn child (Hazard category 1)
In contact with water releases flammable gases (Hazard category 1, 2)

**Copper**

**CAS no.: 7440-50-8**

Very toxic to aquatic life (Hazard category 1)

Very toxic to aquatic life with long lasting effects (Hazard category 1)
Toxic if Inhaled (Hazard category 3)

- Hazard category: 3
- Signal word: Danger
- Hazard statement: H311 Toxic if inhaled

Precautionary statements:
- **Response**: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor... If conscious and not breathing, give artificial respiration. If unconscious, get medical advice/attention.
- **Storage**: Store in a well-ventilated place. Keep container tightly closed.
- **Disposal**: Dispose of contents/container to... in accordance with local/regional/national/international regulations (to be specified).

Harmful if swallowed (Hazard category 4)

- Hazard category: 4
- Signal word: Warning
- Hazard statement: H300 Harmful if swallowed

Precautionary statements:
- **Prevention**: Wash... thoroughly after handling. Do not eat, drink or smoke when using this product.
- **Response**: If swallowed: Call a POISON CENTER/doctor... if you feel unwell. If exposed or allergic: Get medical advice/attention.
- **Storage**: Store in a cool, dry place. Keep container tightly closed.
- **Disposal**: Dispose of contents/container to... in accordance with local/regional/national/international regulations (to be specified).

Causes serious eye irritation (Hazard category 2A)

- Hazard category: 2A
- Signal word: Warning
- Hazard statement: H319 Causes serious eye irritation

Precautionary statements:
- **Prevention**: Wear eye/face protection. Wear protective gloves/protective clothing/protective equipment.
- **Response**: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **Storage**: Store in a cool, dry place. Keep container tightly closed.
- **Disposal**: Dispose of contents/container to... in accordance with local/regional/national/international regulations (to be specified).

Nickel

- CAS no.: 7440-02-0
- Hazard statement: causes damage to organs through prolonged or repeated exposure (Hazard category 1)
### Suspected of causing cancer (Hazard category 2)

<table>
<thead>
<tr>
<th>Hazard category</th>
<th>Symbol</th>
<th>Signal word</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Health hazard</td>
<td>Danger</td>
<td>H372</td>
</tr>
<tr>
<td>2</td>
<td>Health hazard</td>
<td>Warning</td>
<td>H314</td>
</tr>
</tbody>
</table>

**Precautionary statements**

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Response</th>
<th>Storage</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>P200</td>
<td>P314</td>
<td></td>
<td>P501</td>
</tr>
</tbody>
</table>
| Obtain special instructions before use. | May cause cancer \(<..\>) | Dispose of contents/container in... | Dispose of contents/container in...
| - must be for consumer products where P200 is used. | Under normal conditions. | ... in accordance with local/regional/international regulations to be specified. | ...
| P202 |        |         |          |
| Do not handle until all safety precautions have been read and understood. |        |          |
| P208 |        |         |          |
| Wear protective gloves/protective clothing/eye protection/face protection/hearing protection... |        |          |
| Manufacturer/supplier or the competent authority to specify the appropriate personal protective equipment. |        |          |

### Harmful to aquatic life with long lasting effects (Hazard category 3)

<table>
<thead>
<tr>
<th>Hazard category</th>
<th>Symbol</th>
<th>Signal word</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>No symbol</td>
<td>No signal word</td>
<td>H412</td>
</tr>
<tr>
<td>4</td>
<td>No symbol</td>
<td>No signal word</td>
<td>H413</td>
</tr>
</tbody>
</table>

**Precautionary statements**

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Response</th>
<th>Storage</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>P253</td>
<td></td>
<td></td>
<td>P501</td>
</tr>
</tbody>
</table>
| Avoid release to the environment. |     | | Dispose of contents/container in...
| - if this is not the intended use. |     | | ...
| P305 |         |         |          |
| Since locked up. |     | |          |

### May cause an allergic skin reaction (Hazard category 1, 1A, 1B)

<table>
<thead>
<tr>
<th>Hazard category</th>
<th>Symbol</th>
<th>Signal word</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 1A, 1B</td>
<td>Exclamation mark</td>
<td>Warning</td>
<td>H317</td>
</tr>
</tbody>
</table>

**Precautionary statements**

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Response</th>
<th>Storage</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>P201</td>
<td>P315</td>
<td></td>
<td>P501</td>
</tr>
</tbody>
</table>
| Avoid breathing dust/fume/gas/vapour/spray. | | | Dispose of contents/container in...
| – may be emitted if P200 is given on the label Manufacturer/supplier or the competent authority to specify applicable conditions. | | | ...
| P272 |         |         |          |
| Contaminated work clothing should not be allowed out of the workplace. |    |          |
| P280 |         |         |          |
| Wear protective gloves. Manufacturer/supplier or the competent authority may further specify type of personal protective equipment when appropriate. | | |          |

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Response</th>
<th>Storage</th>
<th>Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>P102</td>
<td>P352</td>
<td></td>
<td>P501</td>
</tr>
</tbody>
</table>
| IF ON SKIN: Wash with plenty of water... | | | Dispose of contents/container in...
| - Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is not effectively to remove. | | | ...
| P313 |         |         |          |
| If skin irritation or rash occurs: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate. | | |          |
| P211 |         |         |          |
| Specific treatment (see... on this label) Reference to supplemental first aid instructions. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate. | | |          |
| P352 | P364 |         |          |
| Take off contaminated clothing and wash it before reuse. | | |          |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical characterization: Mixtures

Description:
Product: Consisting of the following components.

<table>
<thead>
<tr>
<th>Common Chemical Name</th>
<th>CAS Number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel cobalt manganese acid lithium</td>
<td>346417-97-8</td>
<td>37</td>
</tr>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>20</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>1</td>
</tr>
<tr>
<td>Polyvinylidene fluoride</td>
<td>24937-79-9</td>
<td>1</td>
</tr>
<tr>
<td>Lithium hexafluorophosphate</td>
<td>21324-40-3</td>
<td>16</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>9003-07-0</td>
<td>5</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>5</td>
</tr>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>5</td>
</tr>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>10</td>
</tr>
</tbody>
</table>

Note: CAS number is Chemical Abstract Service Registry Number.

4. FIRST-AID MEASURES

First aid measures
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact Remove contaminated clothing and shoes. Wash skin with soap and water. In the case of skin corrosion or allergic reactions see a physician.
Inhalation Move to fresh air. If symptoms persist, call a physician.
Ingestion Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed
Swallowing Do not induce vomiting. Get medical attention.

Indication of any immediate medical attention and special treatment needed
Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
CO2, dry chemical powder, water spray.
Unsuitable Extinguishing Media: No information available.
Specific Hazards Arising from the Chemical
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide
Other irritating and toxic gases.

**Hazardous Combustion Products**
- Carbon oxides.
- Explosion Data
- Sensitivity to Mechanical Impact: No
- Sensitivity to Static Discharge: No

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. For example: Wear self-contained respiratory protective device. Wear suitable protective clothing and eye/face protection.

**Special hazards arising from the substance or mixture:**
Battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature (>150 °C). When damaged or abused (e.g. mechanical damage or electrical overcharging); may burn rapidly with flare-burning effect; may ignite other batteries in clothes proximity.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**
- **Personal Precautions:** Avoid contact with eyes. Refer to section 8 for personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.
- Evacuate personnel to safe areas.

**Environmental precautions**
- Environmental Precautions: Refer to protective measures listed in Sections 7 and 8.
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Dispose contaminated material as waste according to item 13.

**Methods and material for containment and cleaning up**
- Methods for Containment: Prevent further leakage or spillage if safe to do so.
- Methods for Cleaning up: Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other Non combustible absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**
- Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Wash thoroughly after handling. Use this material with adequate ventilation.
The product is not explosive.

**Conditions for safe storage, including any incompatibilities**

If the Lithium-ion Battery is subject to storage for such a long term as more than 3 months, it is recommended to recharge the Lithium-ion Polymer Battery periodically.

3 months: -10°C〜+40°C, 45 to 85%RH
And recommended at 0°C〜+35°C for long period storage.

The capacity recovery rate in the delivery state (50% capacity of fully charged) after storage is assumed to be 80% or more.

The voltage for a long time storage shall be 3.7V〜4.2V range.

Do not storage Lithium-ion Battery haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.

Keep out of reach of children.
Do not expose Lithium-ion Polymer Battery to heat or fire. Avoid storage in direct sunlight.
Do not store together with oxidizing and acidic materials.
Keep ignition sources away- Do not smoke.

Store in cool, dry and well-ventilated place.

**Incompatible Products** None known.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Control parameters

<table>
<thead>
<tr>
<th>Ingredients with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12190-79-3 Lithium Cobalt Oxide</td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
<tr>
<td>MAK (Germany)</td>
</tr>
</tbody>
</table>

#### Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962(11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Measures**
- Showers
- Eyewash stations
- Ventilation systems

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Ensure adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection:**

- Tightly sealed goggles

**Body protection:**
- Protective work clothing.

**Skin protection:**
Protective gloves

Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Form: Prismatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color: Blue</td>
<td></td>
</tr>
<tr>
<td>Odour: Odourless</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold: No information available</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition:</th>
<th>Not determined.</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH, with indication of the concentration</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and Boiling range:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td></td>
</tr>
<tr>
<td>Vapor Density:</td>
<td></td>
</tr>
<tr>
<td>relative density:</td>
<td></td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td></td>
</tr>
<tr>
<td>n-octanol/water partition coefficient</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>
Auto-ignition temperature | Product is not self-igniting.
---|---
Decomposition temperature | Not determined.
Odout threshold | Not determined.
Evaporation rate | Not determined.
Viscosity | Not determined.
Other Information | No further relevant information available.

10. STABILITY AND REACTIVITY

**Reactivity:** Stable under recommended storage and handling conditions (see section 7, Handling and storage).

**Chemical stability:** Stable under normal conditions of use, storage and transport.

**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of Hazardous Reactions:** None under normal processing.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

**Conditions to avoid:** Strong heating, fire, Incompatible materials.

**Incompatible materials:** Strong oxidizing agents. Strong acids. Base metals.

**Hazardous Decomposition Products:** Carbon oxides, Other irritating and toxic gases.

11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data available.

**LD/LC50 values relevant for classification:**

Not available.

**Skin corrosion/irritation:** No information available.

**Serious eye damage/irritation:** Cause serious eye irritation.

**Respiratory or skin sensitization:** No sensitizing effects known.

**Specific target organ system toxicity:** No information available.

**CMR effects(carcinogenity, mutagenicity and toxicity for reproduction):** No information available.

12. Ecological Information

**Toxicity:**

**Acquatic toxicity:**

No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**
Recommendation: Must not be disposed together with household garbage.
Do not allow product to reach sewage system

**Uncleaned packaging:**
Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

**Land transport**
ADR/RID class: Not regulated.
UN-Number: UN3480 or UN3481.

**Maritime transport**
IMDG Class: Class 9.
UN Number: UN3480 or UN3481.
Marine pollutant: No

**Air transport**
ICAO/IATA Class: Class 9
UN/ID Number: UN3480 or UN3481
Environmental hazards: Not applicable.
Special precautions for user: Not applicable.
Transport/Additional information: Not restricted goods according to the above specifications.
The Lithium-ion Battery had been tested according to the requirements of the UN manual of tests and Criteria, Part III, subsection 38.3;
The lithium ion batteries according to Section II/Section IB of PACKING INSTRUCTION 965, or Section II of PACKING INSTRUCTION 966~967 of the Dangerous Goods regulations 60th Edition may be transported.
The packaging shall be adequate to avoid mechanical damage during transport, handling and stacking. The materials and pack design shall be chosen so as to prevent the development of unintentional electrical conduction, corrosion of the terminals and ingress of moisture.
Meets requirements of DOT Special Provision 188 to be transported as non-dangerous goods
Meets the requirements of 49CFR173.185 to be transported as non-dangerous goods for road, rail, air, and vessel (Effective August 6, 2014 per HM224F)
The package must be handled with care and that a flammability hazard exists if the package is damaged.
15. REGULATORY INFORMATION

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

EU Regulation:
Authorisations: No information available.
Restrictions on use: No information available.

Regulatory information

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>EU (EINECS)</th>
<th>US (TSCA)</th>
<th>Japan (ENCS)</th>
<th>Canada (DSL/NDSL)</th>
<th>Austria (AICS)</th>
<th>Korea (ECL)</th>
<th>China (IECSC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>346417-97-8</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>7782-42-5</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>24937-79-9</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>21324-40-3</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>9003-07-02</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>7429-90-5</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>7440-50-8</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>7439-89-6</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
</tbody>
</table>

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:
- R20/22: Harmful by inhalation and if swallowed.
- R36: Irritating to eyes.
- H302: Harmful if swallowed.
- H332: Harmful if inhaled.

******************End of SDS******************