SECTION 1: IDENTIFICATION

PRODUCT NAME: Lithium Ion Rechargeable Battery Pack
CUSTOMER: Lenovo
CUSTOMER P/N: 5B10H42764
CPT P/N: 921300055
MODEL NAME: L14C3A01
DESCRIPTION: Nano15 3S1P SDI 2200mAh, 10.8V/24Wh

MANUFACTURER: Celxpert(KunShan)Energy Co., Ltd
ADDRESS: No1111.Hanpu Road. Hi-Tech industrial Park. kunshan. China
TELEPHONE: +86-512-57775999#2532
FAX: +86-512-5777-3839

SECTION 2: HAZARDS IDENTIFICATION

PROTENTIAL HEALTH EFFECTS

PRIMARY ROUTES OF ENTRY
Skin contact, Skin absorption, Eye contact, Inhalation, and Ingestion: NO

SYMPTOMS OF EXPOSURE
Skin contact
No effect under routine handling and use.

**Skin absorption**
No effect under routine handling and use.

**Eye contact**
No effect under routine handling and use.

**Inhalation**
No effect under routine handling and use.

### SECTION 3: Composition/information on ingredients

#### Battery Cell

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>%</th>
<th>CAS NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Foil</td>
<td>2-10</td>
<td>7429-90-5</td>
</tr>
<tr>
<td>Metal Oxide (proprietary)</td>
<td>20-50</td>
<td></td>
</tr>
<tr>
<td>Polyvinylidene Fluoride (PVDF)</td>
<td>&lt;5</td>
<td>24937-79-9</td>
</tr>
<tr>
<td>Copper Foil</td>
<td>2-10</td>
<td>7440-50-8</td>
</tr>
<tr>
<td>Carbon (proprietary)</td>
<td>10-30</td>
<td>7440-44-0</td>
</tr>
<tr>
<td>Electrolyte (proprietary)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stainless steel, Nickel and inert materials</td>
<td>Remainder</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Circuit Module

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>%</th>
<th>CAS NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>0.001</td>
<td>7439-92-1</td>
</tr>
<tr>
<td>Mercury</td>
<td>0</td>
<td>7439-97-6</td>
</tr>
<tr>
<td>Chromium</td>
<td>0</td>
<td>7440-47-3</td>
</tr>
<tr>
<td>Cadmium</td>
<td>0</td>
<td>7440-43-9</td>
</tr>
<tr>
<td>Plastic case and Si2O</td>
<td>0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### Plastic Parts and Paints

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>%</th>
<th>CAS NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>&lt;0.1</td>
<td>7439-92-1</td>
</tr>
<tr>
<td>Nickle</td>
<td>&lt;0.01</td>
<td>7440-02-0</td>
</tr>
<tr>
<td>CFCs</td>
<td>0</td>
<td>75-69-4</td>
</tr>
<tr>
<td>Polychlorinated Biphenyls</td>
<td>0</td>
<td>1336-36-3</td>
</tr>
</tbody>
</table>

### SECTION 4: FIRST AID MEASURES

**INHALATION, EYE CONTACT, and SKIN CONTACT** : Not a health hazard.

**INGESTION**
If swallowed, obtain medical attention immediately.

If exposure to internal materials within cell(pack) due to damaged outer casing, the
Following actions are recommended.

INHALATION
Leave area immediately and seek medical attention.

EYE CONTACT
Rinse eyes with water for 15 minutes and seek medical attention.

SKIN CONTACT
Wash area thoroughly with soap and water and seek medical attention.

INGESTION
Drink milk/water and induce vomiting; seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 GENERAL HAZARD
Cell is not flammable but internal organic material will burn if the cell is incinerated.
Combustion products include, but are not limited to hydrogen fluoride, carbon monoxide and carbon dioxide.

5.2 EXTINGUISHING MEDIA
Use extinguishing media suitable for the materials that are burning.

5.3 SPECIAL FIREFIGHTING INSTRUCTIONS
If possible, remove cell(s) from fire fighting area. If heated above 125°C, cell(s) can explode/vent.

5.4 FIREFIGHTING EQUIPMENT
Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 ON LAND
Place material into suitable containers and call local fire/police department.
6.2 IN WATER
If possible, remove from water and call local fire/police department.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING
No special protective clothing required for handling individual cells.

7.2 STORAGE
Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS//PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS
Keep away from heat and open flame. Store in a cool dry place.

8.2 PERSONAL PROTECTION
Respirator: Not required during normal operations. SCBA required in the event of a fire.

Eye/face protection: Not required beyond safety practices of employer.

Gloves: Not required for handling of cells.

Foot protection: Steel toed shoes recommended for large container handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Solid</td>
</tr>
<tr>
<td>Odor</td>
<td>N/A</td>
</tr>
<tr>
<td>PH</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor density</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling point</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>N/A</td>
</tr>
<tr>
<td>Density</td>
<td>N/A</td>
</tr>
</tbody>
</table>
SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY
None

10.2 INCOMPATIBILITIES
None during normal operation. Avoid exposure to heat, open flame, and corrosives.

10.3 HAZARDOUS DECOMPOSITION PRODUCTS
None during normal operating conditions. If cells are opened, hydrogen fluoride and carbon monoxide may be released.

10.4 CONDITIONS TO AVOID
Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

SECTION 11: TOXICOLOGICAL INFORMATION

This product does not elicit toxicological properties during routine handling and use.

Sensitization: NO    Teratogenicity: NO    Reproductive toxicity: NO    Acute toxicity: NO

This product does not contain any kinds of the following substances and halogen-type flame retardants including Chlorine and Bromide type harmful flame retardants which are listed in Appendix of TCO documents and relevant international ECO requirements:

Polybromated Biphenyls (PBB)
Polybromated Diphenylethers (PBDE)
Polychlorinated Biphenyls (PCBs)
Polychlorinated Terphenyls (PCTs)
Polychlorinated Paphthalene (PCN)
Chlorinated Paraffins (C10-C13)
Chlorofluorocarbons (CFCs)
Polyvinyl Chloride (PVC)
Carbon Tetrachloride

None of the following substances will be exposed, leaked, or emitted during transportation,
storage or any operation and any temperature condition:

Chlorinated Fluorohydrocarbon (FCKW)
Acrylonitrile
Styrol
Phenol
Benzol
Mercury of greater than 0.0001 wt% for alkaline battery
Mercury of greater than 0.0005 wt% for other battery
Lithium content of greater than 0.5g/battery cell
Cadmium, lead, and other harmful heavy metal

And will comply with the regulation of 49 CFR (DOT regulation), International Air Transport Association (IATA), and Deuche Forschungsgemeinschaft (DFG) regarding concentrations of emitted substances.

This product does not contain mercury and cadmium.

Mercury content: N/A

Cadmium content: N/A
If the cells are opened through misuse or damage, discard immediately. Internal components of cell are irritants and sensitizers.

**SECTION 12: ECOLOGICAL INFORMATION**

Some materials within the cell are bio-accumulative. Under normal conditions, these materials are contained and pose no risk to persons or the surrounding environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

CALIFORNIA REGULATED DEBRIS

RCRA Waste Code: Non regulated

Dispose of according to all federal, state, and local regulations.
SECTION 14: TRANSPORT INFORMATION


SECTION 15: REGULATORY INFORMATION

OSHA hazard communication standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

Package if damaged: do not load or transport.
Celxpert contact window: J.D. Chen
For more information, call 1-800-424-9300

SECTION 17: UN MANUAL OF TEST CRITERIA

All battery pack model pass UN383 test and drop test.

<table>
<thead>
<tr>
<th>Item</th>
<th>Test Item</th>
<th>Test specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>Altitude Simulation (UN38.3-1)</td>
<td>1-1. All samples weight are measured. The voltage and internal resistance are measured and recorded. 1-2. All samples are put into the oven and evacuated to less than 11.6Kpa(8.7mmHg) for 6.5Hours at 20±5°C. Vacuum is released. All samples weight are measured. The charged packs voltage are measured and recorded.</td>
</tr>
<tr>
<td>Test Code</td>
<td>Test Name</td>
<td>Procedure</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| T2        | Thermal test (UN38.3-2)          | 2-1. Packs are stored for 6 hours at 75±2°C, followed by storage for 6 hours at -40±2°C. The maximum time interval between test temperature extremes is 30 minutes.  
2-2. Repeat 2-1 for 10 times. Then store the packs at ambient for 24 hours. All packs weight are measured. The charged battery voltage are measured and recorded. |
| T3        | Vibration test (UN38.3-3)        | 3-1. Packs are firmly secured to the platform of the vibration machine without distorting the packs in such a manner as to faithfully transmit the vibration. The vibration shall be a sinusoidal waveform with a logarithmic sweep between 7 and 200 Hz and back to 7 Hz traversed in 15 minutes. This cycle shall be repeated 12 times for a total of 3 hours for each of 3 mutually perpendicular to the terminal face.  
3-2. The logarithmic frequency sweep is as follows:  
7-18 Hz → 1gn  
18-50 Hz → 0.8mm amplitude  
50-200 Hz → 8gn  
3-3. All packs weight are measured. The charged packs voltage are measured and recorded. |
| T4        | Shock test (UN38.3-4)            | 4-1. Packs shall be secured to the testing machine by means of a rigid mount which will support all mounting surfaces.  
4-2. Packs shall be subjected to a half-sine shock of peak acceleration 150gn and pulse duration of 6 milliseconds. Each pack shall be subjected to 3 shocks in the positive direction followed by three shocks in the negative direction of three mutually perpendicularly mounting positions of the pack for a total of 18 shocks. |
| T5        | Short Circuit Test (UN38.3-5)    | 5-1. Packs are placed in to a 55±2°C oven, and exterior packs temperature are monitored  
5-2. When packs exterior reach 55 ± 2°C, they are shorted by connecting terminals with a copper wire of resistance less than 100 mOhm.  
5-4. The short was continued for more than 1 hour or the cell temperature return to 55°C. The packs are observed for a further 6 hours. |
| T6        | Impact test (UN38.3-6)           | 6-1. The test sample is to be placed on a flat surface. A 15.8mm diameter bar is to be placed across the center of the sample. A 9.1 Kg mass is to be dropped from a height of 61±2.5cm onto the sample.  
6-2. A cylindrical or prismatic cell is to be impacted with its longitudinal axis parallel to the flat surface. |
| T7        | Overcharge test (UN38.3-7)       | 7-1. The charge current shall be twice the SPEC’s recommended maximum continuous charge current.  
7-2. The minimum voltage of the test shall be as follows:  
(a) When the SPEC’s recommended charge voltage is not more than 18V, the minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the battery or 22V.  
(b) When the SPEC’s recommended charge voltage is more than 18V, the minimum voltage of the test shall be 1.2 times the maximum charge voltage.  
7-3. Tests are to be conducted at ambient temperature. The duration of the test shall be 24 hours. |
Package Drop Test
   Test specification: Height :120cm.

___Hazardous      ___V___ Non-hazardous
1. Identification

(a) Product identifier

Product name: Lithium-Ion Rechargeable Battery Pack
Product model: L14S3A01

(b) Other means of identification

Product description:
Voltage: 10.8V  Ampere-hour: 2.2Ah  Watt-hour: 24 Wh  Content of Equivalent Li: 1.98g

(c) Recommended use of the chemical and restrictions on use

Recommended use: Used for bluetooth headset, bluetooth speakers, cell phones, MID and other portable electronic products.
Restriction on use: No information available.

(d) Details of the supplier of the product

Company name: Sanyo Electric Co., Ltd.
Address: 222-1, Kaminaizen, Sumoto City, Hyogo, Japan
Postcode: 656-8555
E-mail: joho_gijutsu@gg.jp.panasonic.com
Telephone: +81-799-24-4111
Fax: +81-799-23-2879

(e) Emergency phone number


2. Hazard(s) identification

(a) Classification of the chemical

The battery is considered as an article, and this product is not classified as hazardous.

(b) Label elements

Pictogram(s): No pictogram is used.
Signal word: No signal word is used.
Hazard statements: Not classified.
Precautionary statements: Not classified.

(c) Description of any hazards not otherwise classified

Do not dismantle, open or shred the battery, the ingredients contained within could be harmful.

(d) Ingredient with unknown acute toxicity

No information available.

3. Composition/information on ingredients

(a) Mixtures information: ingredients contained within the battery

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Typical concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>5%</td>
</tr>
<tr>
<td>Cobalt lithium manganese nickel oxide</td>
<td>182442-95-1</td>
<td>35%</td>
</tr>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>6.5%</td>
</tr>
<tr>
<td>Dimethyl carbonate</td>
<td>616-38-6</td>
<td>8%</td>
</tr>
<tr>
<td>Ethylene carbonate</td>
<td>96-49-1</td>
<td>4%</td>
</tr>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>19%</td>
</tr>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>15%</td>
</tr>
<tr>
<td>Lithium hexafluorophosphate</td>
<td>21324-40-3</td>
<td>2%</td>
</tr>
</tbody>
</table>
Safety Data Sheet

According to HCS-2012 APPENDIX D TO §1910.1200

Version: 1.0/EN
Product name: Lithium-Ion Rechargeable Battery Pack
Revision date: 5/09/2013
Printing date: 5/09/2013

<table>
<thead>
<tr>
<th></th>
<th>UN number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>0.5%</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>9002-88-4</td>
<td>2%</td>
</tr>
<tr>
<td>Polyethylene terephthalate</td>
<td>25038-59-9</td>
<td>1%</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>9003-07-0</td>
<td>1%</td>
</tr>
<tr>
<td>Propylene carbonate</td>
<td>108-32-7</td>
<td>1%</td>
</tr>
</tbody>
</table>

4. First-aid measures

(a) Description of first aid measures

Caution! No effect under routine handling and use. If exposure to internal materials within cell due to damaged outer metal casing, the following actions are recommended.

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

Skin contact: Immediately flush skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and shoes before reuse. Get medical aid.

Eye contact: Rinse cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Ingestion: Rinse mouth with water. Never give anything through mouth to an unconscious person. Call a POISON Center or doctor if you feel unwell.

(b) Most important symptoms/effects, acute and delayed

No effect under routine handling and use.

(c) Immediate medical attention and special treatment

Note to physicians: Treat symptomatically and supportively.

5. Fire-fighting measures

(a) Extinguishing media

Suitable extinguishing media: Use extinguishing media suitable for the materials that are burning.

Unsuitable extinguishing media: Not available.

(b) Special hazards arising from the chemical

Cell is not flammable but internal organic material will burn if the cell is incinerated.

Combustion products include, but are not limited to hydrogen fluoride, carbon monoxide and carbon dioxide.

(c) Special protective equipment and precautions for fire-fighters

If possible, remove cell(s) from fire fighting area. If heated above 130°C, cell(s) may Swell/explode/explode.

Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

6. Accidental release measures

(a) Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean up. Do not touch the spilled material.

Wear adequate personal protective equipment as indicated in section 8.

(b) Methods and materials for containment and cleaning up

On Land: Place material into suitable containers and call local fire/police department.

In Water: If possible, remove from water and call local fire/police department.

7. Handling and storage

(a) Precautions for safe handling

No special protective clothing required for handling individual cells. Do not dismantle, open the battery. Do not handling the battery with metalwork. Do not open, dissemble, crush or burn battery. Ensure good
ventilation/exhaustion at the workplace. Prevent formation of dust. Keep ignition sources away. Do not smoke.

(b) Conditions for safe storage, including any incompatibilities
Store in a cool, dry place

8. Exposure controls/personal protection

(a) Control parameters
CAS#7440-50-8 NIOSH RE: TWA 1 mg/m³ OSHA PE: TWA 1 mg/m³ The PEL also applies to other copper compounds (as Cu) except copper fume.
CAS#7429-90-5 NIOSH REL: TWA 10 mg/m³ (total); TWA 5 mg/m³ (resp) OSHA PEL: TWA 15 mg/m³ (total); TWA 5 mg/m³ (resp)
CAS#1333-86-4 NIOSH REL: TWA 3.5 mg/m³ OSHA PEL: TWA 3.5 mg/m³

(b) Appropriate engineering controls
Keep away from heat and open flame. Store in a cool dry place.

(c) Personal protective equipment
Respiratory protection: Not required during normal operations. SCBA required in the event of a fire.
Hand protection: Not required for handling of cells.
Eye/face protection: Not required beyond safety practices of employer.
Skin/body protection: Not required for handling of cells.

9. Physical and chemical properties

(a) Appearance Black solid
(b) Odor Odourless
(c) Odor threshold Not available.
(d) pH Not available
(e) Melting point/freezing point Not available
(f) Initial boiling point and boiling range Not available
(g) Flash point Not available
(h) Evaporation rate Not available.
(i) Flammability Not available.
(j) Upper/lower flammability or explosive limits Not available.
(k) Vapor pressure Not available
(l) Vapor density Not available
(m) Density Not available
(n) Water solubility Not available.
(o) Partition coefficient: n-octanol/water Not available
(p) Auto-ignition temperature Not available.
(q) Decomposition temperature Not available.
(r) Viscosity Not available
10. Stability and reactivity

(a) Reactivity
None during normal operating or handling conditions.

(b) Chemical stability
Stable under normal condition.

(c) Possibility of hazardous reactions
No hazardous reactions known.

(d) Conditions to avoid
Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

(e) Incompatible materials
Strong oxidizing agents, strong acids, strong bases.

(f) Hazardous decomposition products
None during normal operating conditions.
If cells are opened, hydrogen fluoride and carbon monoxide may be released.

11. Toxicological information

(a) Information on the likely routes of exposure

Inhalation: No effect under routine handling and use for sealed battery. If battery is broken, inhale fume/dust may cause irritation, chemical burns or lung oedema.

Ingestion: No effect under routine handling and use for sealed battery. Harmful if swallowed the electrolyte contained inside the battery. Exposure to the electrolyte contained inside the battery may cause severe chemical burn to mouth, esophagus and gastrointestinal system.

Skin contact: No effect under routine handling and use for sealed battery. Exposure to the electrolyte contained inside the battery may result in chemical burns. Exposure to battery particulate may cause dermatitis.

Eye contact: No effect under routine handling and use for sealed battery. Exposure to the electrolyte contained inside the battery may result in severe irritation and chemical burns.

(b) Information on toxicological characteristics
This product does not elicit toxicological properties during routine handling and use. If the cells are opened through misuse or damage, discard immediately. Internal components of cell are irritants and sensitizers

Acute toxicity: No data available.
Skin corrosion/irritation: No data available.
Serious eye damage/irritation: No data available.
Respiratory sensitization: No data available.
skin sensitization: No data available.
Carcinogenicity: No data available.
Germ Cell Mutagenicity: No data available.
Reproductive Toxicity: No data available.
STOT-Single Exposure: No data available.
STOT-Repeated Exposure: No data available.
Aspiration Hazard: No data available.

12. Ecological information

(a) Ecotoxicity
Safety Data Sheet

According to HCS-2012 APPENDIX D TO §1910.1200

Version: 1.0/EN
Product name: Lithium-Ion Rechargeable Battery Pack

Revision date: 5/09/2013
Printing date: 5/09/2013

No data available.

(b) Persistence and Degradability
No data available.

(c) Bioaccumulative potential
No data available.

(d) Mobility in soil
No data available.

(e) Other adverse effects
Some materials within the cell are bio-accumulative. Under normal conditions, these materials are contained and pose no risk to persons or the surrounding environment.

13. Disposal considerations

(a) Safe handling and methods of disposal
Dispose of according to all federal, state, and local regulations.

14. Transport information

(a) UN number
3480

(b) UN Proper shipping name
Lithium ion battery

(c) Transport hazard class(es)
Class 9

(d) Packing group (if applicable)
IATA DGR 56th edition Packing Instruction 965 Section IB
(Packing weight < 10kg)

(e) Marine pollutant (Yes/No)
No

(f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
No information available.

(g) Special precautions
No information available.

15. Regulatory information

(a) Safety, health and environmental regulations specific for the product in question

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>USA TSCA</th>
<th>China IECSC</th>
<th>Canada DSL/NDSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>12190-79-3</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
</tr>
<tr>
<td>1073-05-8</td>
<td>Listed</td>
<td>Listed</td>
<td>NDSL</td>
</tr>
<tr>
<td>24937-79-9</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
</tr>
<tr>
<td>7782-42-5</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
</tr>
<tr>
<td>7440-50-8</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
</tr>
<tr>
<td>7429-90-5</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Listed</td>
<td>Listed</td>
<td>DSL</td>
</tr>
</tbody>
</table>

Remark: The above-mentioned search results are based on the Non-Confidential Inventory.

16. Other information, including date of preparation or last revision

(a) Preparation and revision information
Date of previous revision: Not applicable.
Revision summary: The first New SDS
Date of this revision: 5/09/2013

(b) Abbreviations and acronyms
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: The United States Occupational Safety and Health Administration.
TWA: time-weighted average
STEL: Short term exposure limit
DOT: US Department Of Transportation
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
TSCA: Toxic Substances Control Act, The American chemical inventory.
DSL: Domestic Substances List
IECSC: Inventory of existing chemical substances in China.

(c) Disclaimer
The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

------------------------- End of the SDS -------------------------