SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Product Name: Solo 370
Trade Name: Solo 370-XXX (XXX denotes customer variant), Solo 365-XXX (included as the battery for device)

CAS No.: Mixture
EINECS No.: Mixture
REACH Registration No.: None assigned.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified Use(s): Battery product
Uses Advised Against: None known.

1.3 Details of the supplier of the safety data sheet
Company Identification: Detectortesters (No Climb Products Ltd)
Edison House
163 Dixons Hill Road
Welham Green
Hertfordshire. AL9 7JE.
United Kingdom

Telephone: +44 (0) 1707 282760
Fax: +44 (0) 1707 282777
E-mail: SDS@detectortesters.com

1.4 Emergency telephone number
Emergency Phone No.: +44 (0) 1707 282760

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Regulation (EC) No. 1272/2008 (CLP): Not classified as dangerous for supply / use. The battery is a sealed unit and therefore the ingredients present have no hazard potential except in a situation where the battery has been violated or dismantled.

2.2 Label elements
Hazard Pictogram(s): GHS06, H301, H330; GHS08, H314, H372; GHS09, H410.
Signal Word(s): None.
Hazard Statement(s): None.
Precautionary Statement(s): None.

2.3 Other hazards
None.

2.4 Additional Information
There is no hazard when the measures for handling and storage are followed. In case of cell damage, possible release of dangerous substances and a spontaneous flammable gas mixture may be released. Battery content must not get in contact with water. Contact with water liberates extremely flammable gases.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures
EC Classification No. 1272/2008

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration No.</th>
<th>Hazard Pictogram(s) and Hazard Statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt oxide</td>
<td>&lt;15</td>
<td>1307-96-6</td>
<td>215-154-6</td>
<td>Not available</td>
<td>GHS06, H301, H330; GHS08, H317, H334; GHS09, H410.</td>
</tr>
<tr>
<td>Nickel Oxide</td>
<td>&lt;15</td>
<td>1313-99-1</td>
<td>215-215-7</td>
<td>Not available</td>
<td>GHS07, H317, H350; H372; GHS08, H413</td>
</tr>
<tr>
<td>Electrolyte(*)</td>
<td>&lt;15</td>
<td>None</td>
<td>None</td>
<td>None assigned</td>
<td>GHS05; GHS06, H301; GHS08, H314, H372;</td>
</tr>
</tbody>
</table>

(*) Main Ingredients: Lithium hexafluorophosphate, organic carbonates

3.2 Additional Information
During the charge process a lithium carbon intercalation phase is formed, which is highly flammable and corrosive, but not released under normal usage.

Mercury content: Hg<0.1mg/kg
Cadmium content: Cd<1mg/kg
Lead content: Pb<10mg/kg
For full text of H/P statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
SOLO 370 LITHIUM-ION BATTERY

Inhalation
Unlikely route of exposure.
Electrolyte leakage: Remove to fresh air immediately. Seek medical treatment.

Skin Contact
Unlikely route of exposure.
Electrolyte leakage: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Eye Contact
Unlikely Route of exposure.
Electrolyte leakage: Flush eyes with water for at least 15 minutes. Seek medical treatment.

Ingestion
Unlikely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed
Electrolyte leakage: Can cause damage to the eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed
Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Suitable Extinguishing media
Extinguish preferably with dry chemical or sand.

5.2 Special hazards arising from the substance or mixture
Hazardous decomposition product(s) include: Hydroflouric acid (upon contact with water), Hydrogen fluoride (HF) gas, Carbon monoxide and Carbon dioxide.

5.3 Advice for fire-fighters
In case of major fire and large quantities: A self contained breathing apparatus should be worn.
If possible, remove cell(s) from fire fighting area. If heated above 125°C, cell(s) can explode/vent. Cell is not flammable but internal organic material will burn if the cell is incinerated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use PPE. Avoid contact with skin, eyes or clothing. Avoid breathing fumes.

6.2 Environmental precautions
Prevent entry into drains.

6.3 Methods and material for containment and cleaning up
Adsorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal.

6.4 Reference to other sections
See Also Section: 8, 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid mechanical damage to the cell. Do not open or disassemble.
Do not throw batteries in water.
Keep away from: Children
Avoid overheating.
Keep away from open flames, heat and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities
Storage temperature
Ambient.
Storage life
Stable under normal conditions.
Incompatible materials
None anticipated.

7.3 Specific end use(s)
Battery product.

SECTION 8: EXPOSURE CONTROLS/PERSO NAL PROTECTION

8.1 Control parameters
Under normal conditions of battery use, internal components will not present a health or environmental hazard.

8.1.1 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt oxide</td>
<td>1307-96-6</td>
<td>-</td>
<td>0.1</td>
<td>-</td>
<td>-</td>
<td>WEL, Sen</td>
</tr>
<tr>
<td>Manganese dioxide</td>
<td>1313-13-9</td>
<td>-</td>
<td>0.5</td>
<td>-</td>
<td>-</td>
<td>WEL</td>
</tr>
<tr>
<td>Nickel oxide</td>
<td>1313-99-1</td>
<td>-</td>
<td>0.5</td>
<td>-</td>
<td>-</td>
<td>WEL, Carc</td>
</tr>
<tr>
<td>Lithium hexafluophosphate</td>
<td>21324-40-3</td>
<td>-</td>
<td>2.5</td>
<td>-</td>
<td>-</td>
<td>WEL, Corr</td>
</tr>
<tr>
<td>Carbon</td>
<td>7440-44-0</td>
<td>-</td>
<td>10</td>
<td>-</td>
<td>-</td>
<td>WEL</td>
</tr>
</tbody>
</table>

WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value
Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Provide adequate ventilation.

8.2.2 Personal protection equipment
Eye / face protection
Not normally required.
Electrolyte leakage: Wear eye/face protection.
SOLO 370 LITHIUM-ION BATTERY

Skin protection (Hand protection/ Other) Not normally required. Electrolyte leakage: Wear impervious gloves (EN374).

Respiratory protection No personal respiratory protective equipment normally required. Electrolyte leakage: Wear suitable respiratory protective equipment.

Thermal hazards Not applicable.

8.2.3 Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- **Appearance**: Solid.
- **Colour**: Not applicable.
- **Odour**: Odourless.
- **Odour threshold**: Not applicable.
- **pH**: Not determined.
- **Melting point/freezing point**: Not applicable.
- **Initial boiling point and boiling range**: Not applicable.
- **Flash Point**: Not applicable.
- **Evaporation rate**: Not applicable.
- **Flammability (solid, gas)**: Non-flammable.
- **Upper/lower flammability or explosive limits**: Not applicable.
- **Vapour pressure**: Not applicable.
- **Density**: Not applicable.
- **Vapour density**: Not applicable.
- **Relative density**: Not applicable.
- **Solubility(ies)**: Insoluble
- **Partition coefficient: n-octanol/water**: Not applicable.
- **Auto-ignition temperature**: Not applicable.
- **Decomposition Temperature**: Not applicable.
- **Kinematic Viscosity**: Not applicable.
- **Explosive properties**: Not explosive when used as intended.
- **Oxidising properties**: Not oxidising when used as intended.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid Do not heat the product.
10.5 Incompatible materials Stable under normal conditions.
10.6 Hazardous decomposition product(s) No hazardous decomposition products known when used as intended.

SECTION 11: TOXICOLOGICAL INFORMATION

Unlikely to cause harmful effects under normal conditions of handling and use.

11.1 Information on toxicological effects

- **Acute toxicity**: Low acute toxicity.
- **Skin corrosion / irritation**: Non-irritant.
- **Serious eye damage / irritation**: Not classified.
- **Respiratory or skin sensitization**: It is not a skin sensitizer.
- **Germ cell mutagenicity**: There is no evidence of mutagenic potential.
- **Carcinogenicity**: No evidence of carcinogenicity.
- **Reproductive toxicity**: None anticipated.
- **STOT - single exposure**: Not classified.
- **STOT - repeated exposure**: Not classified.
- **Aspiration hazard**: None anticipated.
11.2 Other information None.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity Under normal conditions of battery use, internal components will not present a health or environmental hazard.
12.2 Persistence and degradability Not applicable.
12.3 Bioaccumulative potential Not applicable.
12.4 Mobility in soil Not applicable.
12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.
12.6 Other adverse effects Do not flush spill material into any public water system.
SOLO 370 LITHIUM-ION BATTERY

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Consult an accredited waste disposal contractor or the local authority for advice.

13.2 Additional Information
Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number
UN 3480 (when supplied as Solo 370-XXX)
UN 3481 (when supplied as part of Solo 365-XXX)

14.2 UN proper shipping name
Lithium Ion Batteries (UN3480)
Lithium Ion Batteries packed with equipment (UN3481)

14.3 Transport hazard class(es)
ADR
IMDG
IATA
Both UN3480 & UN3481 are NOT considered hazardous due to compliance to SP188
Both UN3480 & UN3481 are NOT considered hazardous due to compliance to SP188
UN3480 (when supplied as Solo 370-XXX)
UN 3481 (when supplied as part of Solo 365-XXX) Lithium-ion batteries in compliance with Section II of PI966

14.4 Packing group
Not applicable.

14.5 Environmental hazards
Not applicable.

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/76 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations
Authorisations and / or Restrictions On Use
Candidate List of Substances of Very High Concern for Authorisation
REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use of certain
dangerous substances, preparations and articles
REACH: ANNEX XIV list of substances subject to authorisation
Community Rolling Action Plan (CoRAP)
All chemicals are not listed.
All chemicals are not listed.
All chemicals are not listed.
All chemicals are not listed.
None known.

15.1.2 National regulations
VOC-CH
VOC-EU
0%
0%
Not applicable.

15.2 Chemical Safety Assessment
Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 10, 11.

LEGEND
LTEL Long Term Exposure Limit
STEL Short Term Exposure Limit
DNEL Derived No Effect Level
PNEC Predicted No Effect Concentration
PBT Persistent, Bioaccumulative and Toxic
vPvB very Persistent and very Bioaccumulative
VOC Volatile Organic Compounds

Hazard Statement(s)
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if swallowed.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H350i May cause cancer by inhalation.
H372 Causes damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Disclaimers
The information is based on the best knowledge of No Climb Products Ltd. and its advisors and is given in good faith, but we cannot guarantee its accuracy, reliability or completeness and therefore disclaim any liability for loss or damage arising out of use of this data. Since conditions of use are outside the control of the Company and its advisors we disclaim any liability for loss or damage when the product is used for purposes other than it is intended.

Annex to the extended Safety Data Sheet (eSDS)
No information available.