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

1.1 Product identifier
Product Name: Ni-MH Battery Pack.
Trade Name: SOLO760-XXX, SOLO770-XXX, TRUTEST (XXX denotes customer variant).

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: SDi, LLC, 3535 State Highway 66, Parkway 100 Building 6, Neptune, NJ 07753, USA.
Telephone: (732) 751 9266
Fax: (732) 751 9241
E-mail: sales@sdifire.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.2 Label elements
Hazard Pictogram(s): None.
Signal Word(s): None.
Hazard Statement(s): None.
Precautionary Statement(s): None.

2.3 Other hazards
None.

2.4 Additional Information
Under normal conditions of battery use, internal components will not present a health or environmental hazard. In the extreme or adverse conditions (high over-charge, reverse charge, external short circuit), some electrolyte leakage can occur by the safety vent.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures
3.1.1 SOLO760, SOLO770

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>CAS No.</th>
<th>%W/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel dihydroxide</td>
<td>12054-48-7</td>
<td>&lt;30</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>&lt;20</td>
</tr>
</tbody>
</table>

3.1.2 TRUTEST

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>CAS No.</th>
<th>%W/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal hydride alloy</td>
<td>None</td>
<td>15 - 40</td>
</tr>
<tr>
<td>Nickel dihydroxide</td>
<td>12054-48-7</td>
<td>15 - 30</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>3 - 15</td>
</tr>
<tr>
<td>Cobalt dihydroxide</td>
<td>21041-93-0</td>
<td>2.5 - 7</td>
</tr>
</tbody>
</table>

3.2 Additional Information
For full text of H/P statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
Inhalation: Unlikely route of exposure.
Electrolyte leakage: Remove person to fresh air and keep comfortable for breathing. No measures required.

Skin Contact: Electrolyte leakage: Take off immediately all contaminated clothing. Rinse skin with water/shower.
Ni-MH Battery Pack

Unlikely route of exposure.
Electrolyte leakage: Rinse cautiously with water for several minutes.
Unlikely route of exposure.
Electrolyte leakage: Make victim drink water. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed
Electrolyte leakage: Causes severe skin burns and eye damage.
Unlikely to be required but if necessary treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

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

5.2 Special hazards arising from the substance or mixture
Heating may cause pressure rise with risk of bursting. Hazardous decomposition product(s): Nickel and cobalt compounds.

5.3 Advice for fire-fighters
Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Stop leak if safe to do so. Avoid inhalation of vapours. Avoid contact with skin and eyes. Use personal protective equipment as required.

6.2 Environmental precautions
Avoid release to the environment.

6.3 Methods and material for containment and cleaning up
Collect mechanically and dispose of according to Section 13. Electrolyte leakage: Neutralize with: weak acid such as vinegar or citric acid before proper disposal. In the event of accumulated electrolyte contain and neutralize spill. See Also Section 8.

6.4 Reference to other sections
See Also Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Do not obstruct safety vent by soldering or welding tabs on the positive top.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Ambient. Stable under normal conditions. None known.

7.3 Specific end use(s)
Battery product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

<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>Nickel dihydroxide</td>
<td>12054-48-7</td>
<td>-</td>
<td>0.05</td>
<td>-</td>
<td>-</td>
<td>A1</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>NIOSH</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>OSHA</td>
</tr>
<tr>
<td>Cobalt dihydroxide</td>
<td>21041-93-0</td>
<td>-</td>
<td>0.02</td>
<td>-</td>
<td>-</td>
<td>2B</td>
</tr>
</tbody>
</table>

NIOSH = National Institute of Occupational Safety & Health
OSHA = Occupational Safety and Health Administration
A1: Confirmed Human Carcinogen: The agent is carcinogenic to humans based on the weight of evidence from epidemiological studies. 2B: carcinogen designations, C: ceiling limit

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 protection with side protection (EN166).

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.
Ni-MH Battery Pack

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>391.73°F (199.85°C) (Nickel dihydroxide)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>237.2 lb/ft³ @ 69.8°F (3.8 g/cm³) (Nickel dihydroxide)</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Slightly soluble in: Water (Nickel dihydroxide)</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidising</td>
</tr>
</tbody>
</table>

9.2 Other information

None.

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

Keep away from heat and sources of ignition. Protect from moisture.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition product(s)

None.

SECTION 11: TOXICOLOGICAL INFORMATION

This material is unlikely to present a significant health hazard under normal conditions of handling and use.

11.1 Information on toxicological effects

11.1.1 Article

Acute toxicity: Low acute toxicity.

Irritation: Non-irritant.

Corrosivity: Not classified.

Sensitisation: It is not a skin sensitisier.

Repeated dose toxicity: None anticipated.

Carcinogenicity: No evidence of carcinogenicity.

Mutagenicity: There is no evidence of mutagenic potential.

Toxicity for reproduction: None anticipated.

11.2 Other information

Contains: Nickel dihydroxide. Harmful if swallowed or inhaled. Causes severe skin burns and eye damage.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

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

Contains: Nickel dihydroxide. Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.6 Other adverse effects

None.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recover or recycle if possible. To be disposed of as hazardous waste.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.
Ni-MH Battery Pack

SECTION 14: TRANSPORT INFORMATION

14.1 UN number
UN 3496

14.2 UN proper shipping name
Batteries, Nickel-metal hydride.

14.3 Transport hazard class(es)
TDG
ADR
IMDG
IATA
DOT
Not applicable under Special Provision: 97
Not applicable.
Not applicable under Special Provision: SP117 & SP963
Not applicable under Special Provision: A199
Not applicable under Special Provision: 130, 49CFR 172.102

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 73/78 and the IBC Code
Not applicable.

14.8 Additional Information
None.

SECTION 15: REGULATORY INFORMATION

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

15.1.1 OSHA
Toxic and hazardous substances (29 CFR 1910; Subpart Z)
National emission standards for hazardous air pollutants (40 CFR 61.01)
Title III Consolidated List of Lists
Listed.: Sodium hydroxide (CAS No.: 1310-73-2)
All chemicals are not listed.

OSPAR List of Chemicals for Priority Action
State Right to Know Lists
New Jersey, Pennsylvania, Rhode Island, Minnesota
Listed.: Nickel dihydroxide (CAS No.: 12054-48-7),
Potassium hydroxide (CAS No.: 1310-58-3),
Sodium hydroxide (CAS No.: 1310-73-2)
All chemicals are not listed.

TSCA (Toxic Substance Control Act)
Proposition 65 (California)
CA 602 - Ozone Depleting Substances (ODS)
Listed.: Nickel dihydroxide (CAS.: 12054-48-7)
All chemicals are not listed.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1, 9, 14, 16

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0</td>
</tr>
<tr>
<td>Fire</td>
<td>1</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
</tbody>
</table>

LEGEND

LTEL: Long Term Exposure Limit
STEL: Short Term Exposure Limit
OSPAR: Oslo and Paris Convention
CAA: Clean Air Act
OSHA: Occupational Safety and Health Administration
NIOSH: National Institute of Occupational Safety & Health

Disclaimers
The information is based on the best knowledge of SDi 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.