MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTITY:
Sealed, Lead-Calcium Battery

CDID: LIBERTY 1000 SERIES
LS 12-25, 6-50, 12-100, 6-200, 4-300 & 2-600
LFA 12-100, 6-200 & 2-600
FAM 12-100 & 12-150

MANUFACTURER NAME: C & D Technologies, Inc

ADDRESS:
1400 Union Meeting Road
P. O. Box 3053
Blue Bell, PA 19422-0858

TELEPHONE: (215) 619-2700
EMERGENCY: (610) 828-9309

24 HOUR EMERGENCY TELEPHONE: (CHEM TEL) 1-800-255-3924

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

NOTE: The C&D "Liberty Series" batteries are sealed, recombinant design. Under normal use and handling the customer has no contact with the internal components of the battery or the chemical hazards. Under normal use and handling these batteries do not emit regulated or hazardous substances.

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT</th>
<th>CAS#</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Lead, Lead compounds</td>
<td>7439-92-1</td>
<td>0.05mg/m3</td>
<td>0.05mg/m3</td>
<td>66-77%</td>
</tr>
<tr>
<td>*Sulfuric Acid</td>
<td>7664-93-9</td>
<td>1.0mg/m3</td>
<td>1.0mg/m3</td>
<td>6 - 9%</td>
</tr>
<tr>
<td>Tin</td>
<td>7440-31-5</td>
<td>2.0mg/m3</td>
<td>2.0mg/m3</td>
<td>.1-.3%</td>
</tr>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>15.0mg/m3</td>
<td>10.0mg/m3</td>
<td>&lt;.01%</td>
</tr>
<tr>
<td>*Copper</td>
<td>7440-50-8</td>
<td>1.0mg/m3</td>
<td>1.0mg/m3</td>
<td>&lt;.5%</td>
</tr>
</tbody>
</table>

NON-HAZARDOUS INGREDIENTS

| Water                      | 7732-18-5 | N/A      | N/A      | 10 -13%    |
| Calcium                   | 7440-70-2 | N/A      | N/A      | .02-.04%   |
| Inert Components          | N/A       | N/A      | N/A      | 7 - 12%    |

SECTION III: HAZARDS IDENTIFICATION

APPEARANCE AND ODOR: Colorless, Oily Fluid, Vapors are Colorless; Acrid odor when hot or charging.

RATING CODES: 0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS RATING:
Health: 3  Flammability: 0  Reactivity: 2  Other: 0

NFPA RATING:
Health: 3  Flammability: 0  Reactivity: 2  Other: 0

Sulfuric acid is water-reactive if concentrated.

TARGET ORGANS: Skin, Eyes, Upper Respiratory Tract

ROUTES OF ENTRY:
Inhalation X  Skin X  Ingestion X

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE: Tissue destruction on contact. May cause 2nd and 3rd degree burns or blindness with prolonged contact. Ingestion will cause corrosive burns on contact. May be fatal if swallowed.

CHRONIC: Inhalation of mists may cause upper respiratory irritation.

SIGNS AND SYMPTOMS: Irritation and burning of exposed tissues.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory disorders may be aggravated by prolonged inhalation of mists.

California Proposition 65 Warning – Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Batteries also contain other chemicals known to the State of California to cause cancer. Wash hands after handling.

SECTION IV: FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:
SKIN / EYES
• Flush with water for 15 minutes
• Remove contaminated clothing
• If irritation continues, seek medical attention

INGESTION
• Drink large quantities of milk or water
• Do not induce vomiting
• Give CPR if breathing has stopped
• Seek medical attention immediately

SECTION V: FIREFIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES:
Flash Point: N/A
Flammable Limits (as H₂ gas): LEL: 4%  UEL: 74%

UNUSUAL FIRE AND EXPLOSION HAZARDS: Hydrogen gas may be present when used in a battery. Hydrogen gas and acid mist are generated upon overcharge or in fires. Ventilate area.

EXTINGUISHING MEDIA: Class ABC or CO₂. Caution should be taken not to use CO₂ directly on the battery cell as the thermal shock may cause cracking of the battery case and release of battery electrolyte.

SPECIAL FIREFIGHTING PROCEDURES: Ventilate the area well. SCBA and acid protective clothing are recommended.

SECTION VI: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF BATTERY IS BROKEN: Neutralize exposed battery parts with soda ash or sodium bicarbonate until fizzing stops. pH should be neutral at 6-8. Collect residue in a suitable container. Residue may be hazardous waste. When neutralized, the battery parts are non-hazardous. Place the broken battery in a heavy gauge plastic bag or other non-metallic container. Provide adequate ventilation, hydrogen gas may be given off during neutralization.

SECTION VII: HANDLING AND STORAGE
Store in a cool, dry area away from combustibles. Do not store in sealed, unventilated areas. Avoid overheating and overcharging. Do not use organic solvents or other than recommended chemical cleaners on the batteries.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: General room ventilation is sufficient during normal use and handling. Do not install these batteries in a sealed, unventilated area.

PERSONAL PROTECTIVE EQUIPMENT (IN THE EVENT OF BATTERY BREAKAGE):
Eye Protection = chemical goggles or safety glasses with sideshields and a full-face shield.
Protective Gloves = rubber or neoprene
Respiratory Protection = NIOSH approved acid mist respirator, if OSHA PEL is exceeded or respiratory irritation occurs.
Other Protective Equipment = acid resistant apron or clothes.

WORK PRACTICES: Do not wear metallic jewelry when working with batteries. Use non-conductive tools only. Discharge static electricity prior to working on a battery. Maintain an eyewash, fire extinguisher and emergency communication device in the work area.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

ACID:
Appearance / Odor: At normal temperatures: colorless, oily fluid / acrid odor when hot.
Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: (air=1): >1
Melting Point: N/A
Evaporation Rate (water=1): N/A
Solubility in water: N/A
Specific Gravity (contained in battery): 1.300+/-0.010

SECTION X: STABILITY AND REACTIVITY

STABILITY: This battery and contents are stable.
CONDITIONS TO AVOID: Overheating, overcharging which result in acid mist / Hydrogen generation.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkaline materials, conductive metals, organic solvents, sparks or open flame.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen gas may be generated in an overcharged condition, in fire or at very high temperatures. In fire may emit CO, CO2 and Sulfur Oxides.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION XI: TOXICOLOGICAL INFORMATION - SULFURIC ACID

The "Liberty Series" batteries are sealed, recombinant design. Under normal use and handling the customer has no contact with the internal components of the battery or the chemical hazards. Under normal use and handling these batteries do not emit regulated or hazardous substances.

<table>
<thead>
<tr>
<th>LD 50: Administration Route: Oral</th>
<th>Dose: 2140mg/kg</th>
<th>Test Animal: Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDL0: Administration Route: Unreported</td>
<td>Dose: 135mg/kg</td>
<td>Test Animal: Man</td>
</tr>
<tr>
<td>LC50: Administration Route: Inhalation Dose: 510mg/m3</td>
<td>Test Animal: Rat</td>
<td></td>
</tr>
</tbody>
</table>

CARCINOGENICITY: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a category 1 carcinogen (inhalation), a substance that is carcinogenic to humans. “The National Toxicology Program (NTP) has designated strong inorganic sulfuric mists as a known human carcinogen.” This classification does not apply to the liquid forms of sulfuric acid contained within the battery. Misuse of the product, such as overcharging, may result in the generation of sulfuric acid mist at high levels.

SECTION XII: ECOLOGICAL INFORMATION

Lead and its compounds can pose a threat if released to the environment. See waste disposal method in Section XIII.

SECTION XIII: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This battery is recyclable. It is illegal to dispose of lead-acid batteries by any means other than recycling. C&D provides an environmentally responsible nation wide lead acid battery collection and recycling program. Contact your local C&D sales representative for more information.

HAZARDOUS WASTE CODES: D002, D008

SECTION XIV: TRANSPORTATION INFORMATION

All DOMESTIC SHIPMENTS:
BATTERY, ELECTRIC STORAGE, WET, NON- SPILLABLE, NOT REGULATED.

FOR WATER EXPORT AND CANADIAN SHIPMENTS:
FOR AIR: NON-SPILLABLE, NOT REGULATED. UNITS MEET A67 SPECIAL PROVISION
REQUIREMENTS OF THE IATA REGULATIONS. UN OR NA IDENTIFICATION: UN-2800
PROPER DOT SHIPPING NAME: Batteries, Wet, Non-spillable, Electric Storage
HAZARD CLASS: 8 PACKING GROUP: III
LABEL: Corrosive (NOT REQUIRED FOR CANADA) NO PLACARDS OR LABELS REQUIRED.

SECTION XV: REGULATORY INFORMATION

See 29 CFR 1910.268(b)(2)

SECTION XVI: OTHER INFORMATION

The information herein is given in good faith, but no warranty, expressed or implied, is made.

MSDS Preparation / Review Date: 5/18/2012 Revision Number: 26 Prepared by: W. Kozlowski