

# C & D TECHNOLOGIES, INC.

## Power Solutions

### MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
<b>PRODUCT IDENTITY:</b> Lead Calcium Battery, Dry CDID: DCU, DJ, KCR, KCT, LCR, LCT, LCTII, LCY, MCT, XDJ, XTJ, XTR, XTH AND XTL SERIES	<b>SUPPLIER NAME:</b> C & D Technologies, Inc. <b>ADDRESS:</b> 1400 Union Meeting Road P. O. Box 3053 Blue Bell, PA 19422-0858 <b>TELEPHONE:</b> (215) 619-2700
<b>EMERGENCY:</b> (610) 828-9309 <b>24 HOUR EMERGENCY TELEPHONE:</b> (CHEM TEL) 1-800-255-3924	

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS				
HAZARDOUS COMPONENT	CAS#	OSHA PEL	ACGIHTLV	% BY WEIGHT
*Lead, lead compounds	7439-92-1	0.05mg/m3	0.05mg/m3	76%
NON-HAZARDOUS COMPONENTS				
Calcium	7440-70-2	N/A	N/A	<1%
Inert Components	N/A	N/A	N/A	24%
SECTION 313 (40 CFR 372) LISTED TOXIC CHEMICALS ARE PRECEDED BY AN *.				

SECTION III: HAZARDS IDENTIFICATION	
<b>RATING CODES:</b> 0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme <b>HMIS RATING:</b> Health: 0 Flammability: 0 Reactivity: 0 Other: 0 <b>NFPA RATING:</b> Health: 0 Flammability: 0 Reactivity: 0 Other: 0	Routes of entry: Ingestion
Handling of intact batteries does not present a lead exposure. A lead health hazard is present if lead posts are melted or mechanically abraded.	
<b>Health Hazards:</b>	<b>Acute</b> - most will pass through body unabsorbed; at very high exposures, may cause lead intoxication with symptoms of nausea and abdominal cramps. <b>Chronic</b> - anemia, malaise, tremors, gastritis, liver changes.
<b>California Proposition 65 Warning</b> – 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	
<b>Inhalation:</b> Solid battery, no inhalation possible.	<b>Skin Contact:</b> Wash thoroughly with soap and water.
<b>Eye Contact:</b> Flush with water; get immediate medical attention.	
<b>Ingestion:</b> Induce vomiting, seek medical attention immediately.	

SECTION V: FIREFIGHTING MEASURES		
<b>FIRE AND EXPLOSIVE PROPERTIES:</b>	Flash Point: N/A	Flammable Limits (as H <sub>2</sub> gas): <b>LEL: 4% UEL: 74%</b>
<b>EXTINGUISHING MEDIA:</b> Class ABC or CO <sub>2</sub> . Caution should be taken not to use CO <sub>2</sub> directly on the battery cell as the thermal shock may cause cracking of the battery case and release of battery electrolyte.		
<b>Extinguishing Media:</b> Carbon Dioxide, foam, dry chemicals, water spray		

**Special Firefighting Procedures:** Wear protective clothing and self contained breathing apparatus

**Unusual Fire and Explosion Hazards:** Highly toxic lead oxide fumes evolve from heated metal

### SECTION VI: ACCIDENTAL RELEASE MEASURES

DOES NOT APPLY with *NO* electrolyte in battery.

### SECTION VII: HANDLING AND STORAGE

Do not use organic solvents or other than recommended chemical cleaners on the battery.

**Storage:** Store in cool, dry area away from flames, sparks and oxidizers.

### SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

**WORK PRACTICES:** Do not wear conductive metal jewelry when working with batteries.

**VENTILATION:** N/A

**EYE WEAR:** N/A

**RESPIRATORY PROTECTION:** N/A

**GLOVES:** Non-Permeable

**OTHER PROTECTIVE CLOTHING:** Not Required

**PERSONAL PROTECTIVE EQUIPMENT (WHEN CLEANING BATTERY POSTS OR REMOVING FACTORY-APPLIED GREASE COATING FROM POSTS):**

**Eye Protection** = safety glasses with sideshields.

**Protective Gloves** = nitrile gloves.

**Respiratory Protection** = NIOSH approved respirator with HEPA cartridges, if OSHA PEL for lead is exceeded.

### SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** N/A

**APPEARANCE / ODOR:** Battery, Assembled Odorless

**VAPOR PRESSURE:** N/A

**MELTING POINT:** N/A

**VAPOR DENSITY:** N/A

**EVAPORATION RATE:** N/A

**SOLUBILITY:** (Water: N/A )

**SPECIFIC GRAVITY:** (Water = 1) N/A

### SECTION X: STABILITY AND REACTIVITY

**STABILITY:** Stable

**INCOMPATIBILITY:** (Material to avoid) Conductive metals, Organic solvents

**HAZARDOUS POLYMERIZATION WILL NOT OCCUR.**

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** N/A

### SECTION XI: TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** None known at this time

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None Known

### 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 battery collection and recycling program. Contact your local C&D sales representative for more information.

<b>Hazardous Waste Codes:</b> D008
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<b>SECTION XIV: TRANSPORT INFORMATION</b>
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NOT APPLICABLE
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<b>SECTION XV: REGULATORY INFORMATION</b>
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See 29 CFR 1910.268(b)(2)
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<b>SECTION XVI: OTHER INFORMATION</b>
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The information herein is given in good faith, but no warranty, expressed or implied, is made.
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