

MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTITY: Lead-Antimony Battery, Dry CDID: <u>Motive Power Type - C Line</u>	MANUFACTURER NAME: C & D Technologies, Inc. ADDRESS: 1400 Union Meeting Road P. O. Box 3053 Blue Bell, PA 19422-0858
EMERGENCY: (610) 828-9309 24 HOUR EMERGENCY TELEPHONE: (CHEM TEL) 1-800-255-3924	TELEPHONE: (215) 619-2700

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS#	OSHA PEL	ACGIH TLV	% BY WEIGHT
*Lead, Lead compounds	7439-92-1	0.05mg/m3	0.15mg/m3	59 - 62%
*Antimony	7440-36-0	0.5mg/m3	0.5mg/m3	1 - 2%
*Arsenic	7440-38-2	0.01mg/m3	0.2mg/m3	<1%
*Copper	7440-50-8	1.0mg/m3	1.0mg/m3	<1%
NON-HAZARDOUS INGREDIENTS				
Inert Components	N/A	N/A	N/A	9 - 14%
SECTION 313 (40 CFR 372) LISTED TOXIC CHEMICALS ARE PRECEDED BY AN *.				

SECTION III: HAZARDS IDENTIFICATION

APPEARANCE AND ODOR: Solid Battery	RATING CODES: 0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
	HMIS RATING: Health: 0 Flammability: 0 Reactivity: 0 Other: 0
ROUTES OF ENTRY: Ingestion X	NFPA RATING: Health: 0 Flammability: 0 Reactivity: 0 Other: 0
	TARGET ORGANS: Skin, Eyes, Upper Respiratory Tract
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 contact: Wash thoroughly with soap and water
Eye contact: Flush with water; get immediate medical attention
Inhalation: Solid battery, no inhalation possible
Ingestion: induce vomiting, 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: Highly toxic lead oxide fumes evolve from heated metal

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

Does not apply with NO electrolyte in the battery

SECTION VII: HANDLING AND STORAGE

Do use organic solvents or other than recommended chemical cleaners on the battery.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: N/A

Eye Protection = N/A

Protective Gloves = None Permeable

Respiratory Protection = N/A

Other Protective Equipment = Not Required

WORK PRACTICES: Do not wear Conductive jewelry when working with batteries

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A

Melting Point (unit): N/A

Vapor Density: (air=1): N/A

Vapor Pressure: N/A

Evaporation Rate (water=1): N/A

Solubility in water: N/A

Specific Gravity (contained in the Battery): (Water=1) N/A

Appearance / Odor: Battery, Assembled Odorless

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): Conductive Metals, Organic Solvents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION XI: TOXICOLOGICAL INFORMATION - SULFURIC ACID

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None Known

CARCINOGENICITY: None known at this time.

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

Not Applicable

SECTION XV: REGULATORY INFORMATION

See 29 CFR 1910.178(g)

SECTION XVI: OTHER INFORMATION

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

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