

MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
PRODUCT IDENTITY: Cured Unformed Lead Acid Battery Plates	SUPPLIER 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				
HAZARDOUS COMPONENT	CAS#	OSHA PEL	ACGIH TLV	% BY WEIGHT
Lead, lead compounds	7439-92-1	0.05 mg/m3	0.05 mg/m3	5 to 10%
Tribasic Lead Sulfate BG	12201-17-4	0.05 mg/m3	0.05 mg/m3	40 to 45%
Lead Oxide	1317-36-8	0.05 mg/m3	0.05 mg/m3	5 to 10%
SECTION 313 (40 CFR 372) LISTED TOXIC CHEMICALS ARE PRECEDED BY AN *.				

SECTION III: HAZARDS IDENTIFICATION	
RATING CODES: 0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme	Routes of entry: Ingestion of metallic lead particles if present
HMIS RATING: Health: 2 Flammability: 0 Reactivity: 1 Other: 0	
NFPA RATING: Health: 2 Flammability: 0 Reactivity: 1 Other: 0	
A lead health hazard is present if any handling or processing of the cured unformed lead acid battery plates results in airborne lead dust particles or lead dust particle exposure to skin.	
Health Hazards:	Acute - most will pass through body unabsorbed; at very high exposures, may cause lead intoxication with symptoms of nausea and abdominal cramps. Chronic - anemia, malaise, tremors, gastritis, liver changes.
<i>California Proposition 65 Warning – Battery posts, terminals, cured unformed lead acid battery plates, 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.</i>	

SECTION IV: FIRST AID MEASURES	
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	Skin Contact: Wash thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention.
Eye Contact: Flush immediately with water; get immediate medical attention.	
Ingestion: Induce vomiting as directed by medical personnel and seek medical attention immediately. Never give anything by mouth to an unconscious person.	

SECTION V: FIREFIGHTING MEASURES		
FIRE AND EXPLOSIVE PROPERTIES: Not considered to be a fire hazard.	Flash Point: N/A	Flammable Limits (as H ₂ gas): LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Class ABC or CO ₂ . Do not use water on fires where molten metal is present.		
Extinguishing Media: 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

Ventilate area of leak or spill. Wear appropriate personal protective equipment such as respirator, goggles, gloves and protective clothing.

SECTION VII: HANDLING AND STORAGE

Store in a cool, dry, ventilated area.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

WORK PRACTICES: Minimize airborne generation during plate handling or processing. Avoid contact with skin.

VENTILATION: A system of local ventilation is recommended to keep employee exposures below the Airborne Exposure Limits.

EYE WEAR: Safety glasses or goggles.

RESPIRATORY PROTECTION: NIOSH approved respirator with cartridge required if employee airborne exposure to lead is over 0.05 mg/m³.

GLOVES: Nitrile gloves are recommended during handling and processing.

OTHER PROTECTIVE CLOTHING: Wear impervious protective clothing including boots, lab coat, apron, coveralls or work uniform.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

APPEARANCE / ODOR: N/A

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: N/A

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A

SECTION XI: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: For lead and inorganic lead compounds: EPA/IRIS classification B2 – probable human carcinogen, sufficient animal evidence.

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: Dispose of used lead plates and grids in accordance with local and federal law. Contact your local C&D sales representative for more information.

Hazardous Waste Codes: D008

SECTION XIV: TRANSPORT INFORMATION

NOT APPLICABLE

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.

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