

C AND D CHARTER POWER SYSTEMS, INC. -- LCT-1176 -- 6140-00-422-4480

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Product Identification  
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Product ID:LCT-1176

MSDS Date:02/01/1989

FSC:6140

NIIN:00-422-4480

MSDS Number: BHXYG

=== Responsible Party ===

Company Name:C AND D CHARTER POWER SYSTEMS, INC.

Address:3043 WALTON RD, SUITE B

City:PLYMOUTH MEETING

State:PA

ZIP:19462

Country:US

Info Phone Num:215-828-9000

Emergency Phone Num:215

-828-9000

CAGE:0GRM9

=== Contractor Identification ===

Company Name:C AND D CHARTER POWER SYSTEMS, INC.

Address:1400 UNION MEETING ROAD

Box:3053

City:BLUE BELL

State:PA

ZIP:19422

Country:US

Phone:215-619-2700; 610-828-9309

CAGE:0GRM9

Company Name:JOHN J. WILSON ASSOCIATES INC.

Address:3007 LINCOLN AVENUE

Box:9506

City:RICHMOND

State:VA

ZIP:23228-4209

Country:US

Phone:804-266-9623

CAGE:7L867

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Composition/Information on Ingredients  
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Ingred Name:SULFURIC ACID (SARA II

l)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 7-9%  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:LEAD (SARA III)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 60%  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2140 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports

of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CHRONIC: INHALATION OF VAPORS MAY CAUSE SEVERE IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM, PULMONARY EDEMA, OR LUNG INFLAMMATION. MAY CAUSE SEVERE BURNS TO SKIN OR EYES. INGESTION MAY CAUSE SEVERE BURNS TO MOUTH, THROAT, AND STOMACH. MAY AFFECT KIDNEY FUNCTION. CHRONIC: MAY DAMAGE LUNGS.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Ov

erexposure:SEVERE IRRITATION OR BURNS TO EYES, NOSE AND THROAT. PULMONARY EDEMA, BRONICAL EMPHYSEMA, CONJUNCTIVITIS, STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.

GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTYOF WATER FOR 15 MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE WATER OR MILK TO DRINK IF CONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguis

hing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:SULFURIC ACID WHEN DILUTED CAN REACT WITH METALS TO FORM FLAMMABLE HYDROGEN GAS.

===== Accidental Release Measures =====

Spill Release Procedures:NEUTRALIZE SPILL AND/OR WASHINGS WITH SODA ASH OR LIME.

Neutralizing Agent:SODIUM BICARBONATE SOLUTION, SODA ASH OR LIME.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. DO NOT TILT ON AN ANGLE GREATER THAN 45 DEGREES. DO NOT STACK MATERIALS ON TOP OF BATTERIES.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPOR. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. IN CASE OF SPILL NEUTRALIZE WITH SODA ASH OR LIME.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH APPROVED RESPIRATOR WITH ACID MIST FILTERS IS RECOMMENDED.

Ventilation:USE MECHANICAL (GENERAL) VENTILATION.

Protective Gloves:RUBBER GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOT

HING, RUBBER APRONS AND BOOTS AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES. REMOVE METALLIC JEWELRY. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

BATTERY IS DRY CHARGED WITHOUT ELECTROLYTE ACCORDING TO PROCUREMENT ITEM DESCRIPTION.

===== Physical/Chemical Properties =====

HCC:C1

Spec Gravity:1.25

pH:1

Solubility in Water:COMPLETE

Appearance and Odor:ELECTROLYTE IS A CLEAR, COLORLESS LIQUID; ODORLESS.

BATTERY IS 14.1X7.6X22.6 IN

Percent Volatiles by Volume:80

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ALKALI

Hazardous Decomposition Products:OXIDES OF SULFUR AND HYDROGEN

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. NEUTRALIZED SPILLS MAY BE FLUSHED TO SANITARY SEWER WITH WATER.

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