

C & D CHARTER POWER SYSTEMS INC -- SULFURIC ACID, BATTERY
ELCTROLYTE-STANDBY(FLOODED) -- 6140-01-112-7652

===== Product Identification =====

Product ID:SULFURIC ACID, BATTERY ELCTROLYTE-STANDBY(FLOODED)

MSDS Date:04/18/1995

FSC:6140

NIIN:01-112-7652

MSDS Number: BYCBD

=== Responsible Party ===

Company Name:C & D CHARTER POWER SYSTEMS INC

Address:3043 WALTON RD STE B

City:PLYMOUTH MEETING

State:PA

ZIP:19462

Country:US

Info Phone Num:215-828-9000

Emergency Phone Num:215-828-9000

Preparer's Name:S. J. KELLY

CAGE:80531

=== Contractor Identification ===

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

Address:3043 WALTON ROAD

City:PLYMOUTH MEETING

State:PA

ZIP:19462

Country:US

Phone:800-255-3924

CAGE:80531

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

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=== Composition/Information on Ingredients =====

Ingred Name:SULFURIC ACID IC=INTENDED CHANGES
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 29-35%
OSHA PEL:1 MG/CUM
ACGIH TLV:1 MG/CUM=IC
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 65-71%

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

LD50 LC50 Mixture:ORAL LD50 (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:ACUTE: TISSUE DESTRUCTION ON CONTACT.
MAY CAUSE 2ND AND 3RD DEGREE BURNS. BLINDESS. INGESTION WILL CAUSE
CORROSIVE BURNS ON CONTACT. MAY BE FATAL IF SWALLOWED. CHRONIC:
INHALATION OF MIST MAY CAUSE UP PER RESPIRATORY IRRITATION &
PULMONARY EDEMA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION OR BURNING OF EXPOSED TISSUES.

Medical Cond Aggravated by Exposure:RESPIRATORY DISORDER

S MAY BE

AGGRAVATED BY PROLONGED IN HALATION OF MISTS.

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

First Aid:SKIN/EYES: FLUSH WITH WATER FOR 15 MINUTES. REMOVE
CONTAMINATED CLOTHING. INGESTIONS: DON'T INDUCE VOMITING. DRINK
LARGE AMOUNTS OF MILK OR WATER. GIVE CPR IF BREATHING HAS STOPPED.
SEEK MEDICAL ATTENTION IMMEDIATELY.

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

Extinguishing Media:DRY CHEMICAL, HALON, CARBON DIOXIDE.

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Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS (SCBA) & FULL PROTECTIVE CLOTHES.

Unusual Fire/Explosion Hazard:HYDROGEN GAS AND ACID MIST ARE GENERATED UPON OVERCHARGE OR IN FIRES. VENTILATE AREA.

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

Spill Release Procedures:NEUTRALIZE SPILL WITH SODA ASH OR LIME AND KEEP UNPROTECTED INDIVIDUALS AWAY. USE ADEQUATE VENTILATION WITH SODA ASH DUE TO CARBON DIOXIDE EVOLUTION. CONTAIN LARGE SPILLS WITH

EARTH OR CLAY DIKES.

Neutralizing Agent:SODA ASH OR LIME.

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

Handling and Storage Precautions:ADD WATER TO ACID AFTER NEUTRALIZATION TO AVOID EXCESSIVE HEAT GENERATION. STORE IN COOL, DRY AREA AWAY FROM REACTIVES & COMBUSTIBLES.

Other Precautions:NONE.

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

Respiratory Protection:NIOSH APPROVED ACID MIST RESPIRATOR, IF NEEDED OR IF PEL IS EXCEEDED.

Ventil

ation:LOCAL EXHAUST TO AVOID VAPOR/MIST BUILDUP.

Protective Gloves:RUBBER OR NEOPRENE GLOVES.

Eye Protection:CHEMICAL SPALSH GOGGLES.

Other Protective Equipment:ACID RESISTANT APRON/CLOTHING.

Work Hygienic Practices:MAINTAIN EYEWASH & DRENCH SHOWER IN AREA.

Supplemental Safety and Health
CORROSIVE.

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

HCC:C1

Boiling Pt:B.P. Text:235F,113C

Vapor Pres:145.8 MM

Vapor Density: