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C AND BATTERIES AN ALLIED CO PLANT 1 -- 3-DU9 -- 6140-01-112-7652

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

Product ID:3-DU9
MSDS Date:02/01/1989
FSC:6140
NIIN:01-112-7652
MSDS Number: BMWZJ
=== Responsible Party ===
Company Name:C AND BATTERIES AN ALLIED CO PLANT 1
Address:WASHINGTON AND CHERRY STS
City:CONSHOHOCKEN
State:PA
ZIP:19428
Country:US
CAGE:MO570
=== 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 BATTERIES AN ALLIED CO PLANT 1
Address:WASHINGTON AND CHERRY STS
Box:City:CONSHOHOCKEN
State:PA
ZIP:19428
Country:US
CAGE:MO570

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

Ingred Name:LEAD SULFATE (SARA III)
CAS:7446-14-2
RTECS #:OG4375000
Fraction by Wt: 60%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE 1910.1

025
ACGIH TLV:0.15 MG PB/M3; 9192
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 7-9%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Reports of Carcinogenicity:NTP:UNKNOWN IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE EXPOSURE TO ACID MAY CAUSE BURNS TO TISSUE UP
ON CONTACT. SPLASHING INTO EYES CAN RESULT IN SEVERE OR PERMANENT INJURY.INGESTION OF ACID CAUSES SEVERE INJURY PULMONARY EDEMA OR EVEN DEATH. CHR ONIC ACID MIST EXPOSURE MAY RESULT IN UPPER RESPIRATORY TRACT.
Effects of Overexposure:TISSUE IRRATITION OR BURNS. CHRONIC ACID MIST EXPOSURE MAY CAUSE UPPER RESPIRATORY IRRITATION.
Medical Cond Aggravated by Exposure:RESPIRATORY CONDITIONS BY BREATHING OF ACID MISTS.

========== First Aid Measures ==========
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First Aid:FLUSH EYES AND SKIN WITH WATER FOR AT LEAST 15MINUTES. INHALATION; MOVE TO FRESH AIR. INGESTION:DO NOT INDUCE VOMITING, INGEST LARGE AMOUNTS OF MILK OR WATER,SEEK MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:CO2,DRY CHEMICAL,FOAM
Fire Fighting Procedures:SCBA FOR CORROSIVE MISTS.
Unusual Fire/Explosion Hazard:SULFURIC ACID WHEN DILUTED CAN REAC

T WITH
METALS TO FORM HYDROGEN GAS.

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

Spill Release Procedures:ACID SPILLS CAN BE NEUTRALIZED WITH SODA ASH
OR LIME
Neutralizing Agent:SODA ASH, LIME OR SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE IN COOL DRY WELL VENTILATED
AREAS. DO NOT TILT ON AN ANGLEE GREATER THAN 45. DO NOT STACK
MATERIALS ON TOP OF BATTERIES.
Other Precauti
ons:NONE GIVE

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL USE, USE NIOSH
RESPIRATORY PROTECTION APPROVED ACID FILTERS IT TWA IS EXCEEDED
Ventilation:GENERAL
Protective Gloves:RUBBER
Eye Protection:CHEMICAL SPLASH
Other Protective Equipment:RUBBER APRON, BOOT RECPOMMENDED
Work Hygienic Practices:PRUDENT
Supplemental Safety and Health
REMOVE METALIC JEWELRY, SHOCK POTENTAL.

========== Physical/Chemical Proper
ties ==========

HCC:C1
Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:M.P/F.P Text:NA
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:1.215-1.290
Evaporation Rate & Reference:NA
Solubility in Water:100%
Appearance and Odor:CLEAR/ACID ODOR

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

Stability Indicator/Materials to Avoid:YES
STRONG ALKALINE MATERIALS
Stability Condition to Avoid:NA
Hazardous Decomposition Products:SULFUR OXIDES

========== Disposal Considera

tions ==========

Waste Disposal Methods:NEUTRALIZED SPILL MAY BE FLUSHED TO SANITARY SEWER WITH WATER. RCRA WASTE DISPOSAL NO.D002,D008.

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