POWER BATTERY CO INC -- BATTERY TYPES: SP, SPF, HD, PRC, TC, MC, PM, CG-SLC, PL, WC -- 6140-01-384-0499

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

Product ID:BATTERY TYPES: SP, SPF, HD, PRC, TC, MC, PM, CG-SLC, PL, WC
MSDS Date:08/01/1995
FSC:6140
NIIN:01-384-0499
MSDS Number: BZNWY
=== Responsible Party ===
Company Name:POWER BATTERY CO INC
Address:543 E 42ND STREET
City:PATERSON
State:NJ
ZIP:07513
Count
ry:US
Info Phone Num:201-523-8630
Emergency Phone Num:201-523-8630
Preparer's Name:ROBERT F MALLEY
CAGE:64748
=== Contractor Identification ===
Company Name:POWER BATTERY CO INC
Address:25 MCLEAN BLVD.
Box:City:PATERSON
State:NJ
ZIP:07514
Country:US
Phone:201-523-8630
CAGE:64748

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

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 65-75%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3;1910.1025
ACGI

H TLV:0.15 MG/M3;DUST 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 17-30%
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

Ingred Name:LEAD DIOXIDE
CAS:1317-36-8
RTECS #:OG1750000
Fraction by Wt: 65-75%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.10 MG (PB)/M3
ACGIH TLV:0.15 MG (PB)/M3

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 17-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/3 STEL; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:SULFURIC ACID IS A STRONG CORROSIVE.
CONTACT WITH THE ACID CAN CAUSE SEVERE BURNS TO THE SKIN & EYES.
INGESTI
ON OF SULFURIC ACID WILL CAUSE GI TRACT BURNS. THE TOXIC
EFFECTS OF LEAD ARE ACCUMULATIVE. IT EFFECTS THE KIDNEYS,
REPRODUCTIVE & CENTRAL NERVOUS SYSTEM.
Explanation of Carcinogenicity:LEAD (LEAD & INORGANIC LEAD COMPOUND BY
NTP & IARC)
Effects of Overexposure:THE SYMPTOMS OF LEAD OVEREXPOSURE ARE ANEMIA,
VOMITING, HEADACHE, STOMACH PAIN (LEAD COLIC), DIZZINESS, LOSS OF
APPETITIE AND MUSCLE AND JOINT PAIN.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SULFURIC ACID: SKIN-FLUSH WITH WATER, SEE PHYSICIAN IF CONTACT AREA IS LARGE, OR IF BLISTERS FORM. EYE-CALL PHYSICIAN IMMEDIATELY, FLUSH WITH WATER UNTIL PHYSICIAN ARRIVES. INGEST-CALL PHYSICIAN. DO N OT INDUCE VOMITING. IF PATIENT IS CONSCIOUS, FLUSH MOUTH WITH WATER, HAVE THE PATIENT DRINK MILK, OR SODIUM BICARBONATE SOLUTION. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:4.1 (H2)
Upper Limits:74.2 (H2)
Extinguishing Media:USE "ABC" TYPE FIRE EXTINGUISHER FOR BATTERY FIRES.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:IF SULFURIC ACID IS SPILLED FROM A BATTERY, NEUTR
ALIZE. FLUSH AREA WITH WATER, AND DISCARD TO THE SEWAGE SYSTEM. DO NOT ALLOW UNNEUTRALIZED ACID INTO THE SEWAGE SYSTEM.
Neutralizing Agent:SODIUM BICARBONATE (BAKING SODA), SODIUM CARBONATE (SODA ASH) OR CALCIUM OXIDE

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:DUE TO THE PRC BATTERY'S LOW INTERNAL RESISTANCE & HIGH POWER DENSITY, HIGH LEVELS OF SHORT CIRCUIT CURRENT CAN BE

DEVELOPED ACROSS THE BATTERY TERMINALS. DO NOT REST TOOLS OR CABLES ON THE BATTERY. U SE INSULATED TOOLS ONLY. READ INSTRUCTIN

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE.
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:RUBBER GLOVES.
Eye Protection:SAFETY GOGGLES, FACE SHIELD.
Other Protective Equipment:RUBBER APRON. EYES WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices:WASH THOROUGHLY

AFTER HANDLING.
Supplemental Safety and Health
COMMENTS: PROTECTIVE EQUIPMENT MUST BE WORN IF THE BATTERY IS CRACKED OR OTHERWISE DAMAGED. HEPA RESPIRATORS SHOULD BE WORN DURING OPERATIONS, IF THE OSHA PEL IS EXCEEDED.

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

HCC:C1
Melt/Freeze Pt:M.P/F.P Text:235F,113C
Spec Gravity:1.290
Solubility in Water:100% (ELECTROLYTE)
Appearance and Odor:SULFURIC ACID, CLEAR LIQUID, NO ODOR.

========== Stability and Reactiv
ity Data ==========

Stability Indicator/Materials to Avoid:YES
REACTIVE METALS, STRONG BASES, MOST ORGANICS.
Stability Condition to Avoid:PROHIBIT SMOKING, SPARKS, FLAMES, ETC. FROM BATTERY CHARGING AREA. AVOID MIXING ACID WITH OTHER CHEMICALS.
Hazardous Decomposition Products:SULFUR DIOXIDE, TRIOXIDE, HYDROGEN AND HYDROGEN SULFIDE

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

Waste Disposal Methods:NEUTRALIZED ACID MAY BE FLUSHED DOWN THE SEWER. SPEN
T LEAD ACID BATTERIES CAN BE SENT TO LICENSED SECONDARY LEAD SMELTER FOR RECYCLE OR TO REPUTABLE BATTERY HANDLERS OR REPUTABLE SCRAP DEALERS.