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
Coun
try: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
ACG

IH 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.
INGEST

ION 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, NEUT
RALIZE. 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 Reacti
vity 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. SPE

NT LEAD ACID BATTERIES CAN BE SENT TO LICENSED SECONDARY LEAD SMELTER FOR RECYCLE OR TO REPUTABLE BATTERY HANDLERS OR REPUTABLE SCRAP DEALERS.