

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 NOT 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.

=====

==== 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, NEUTRALIZE. 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. USE INSULATED TOOLS ONLY. READ INSTRUCTIONS

===== 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 Reactivity 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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document

should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.