

POWER-SONIC CORP -- PB610-1A RECHARGEABLE BATTERY -- 6140-01-111-6379

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Product Identification  
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Product ID:PB610-1A RECHARGEABLE BATTERY

MSDS Date:01/14/1990

FSC:6140

NIIN:01-111-6379

MSDS Number: BMZYX

=== Responsible Party ===

Company Name:POWER-SONIC CORP

Address:3106 SPRING ST

Box:5242

City:REDWOOD CITY

State:CA

ZIP:94063-3929

Country:US

Info Phone Num:415-364-5001

Emergency Phone Nu

m:415-364-5001

CAGE:56309

=== Contractor Identification ===

Company Name:CELL ENERGY INC

Address:3190-B ORANGE GROVE AVE

Box:City:NORTH HIGHLANDS

State:CA

ZIP:95660-5706

Country:US

Phone:916-484-7974

CAGE:1U269

Company Name:POWER-SONIC CORP

Address:3106 SPRING ST

Box:5242

City:REDWOOD CITY

State:CA

ZIP:94063-3929

Country:US

Phone:650-364-5001

CAGE:56309

Company Name:PRO BATTERY CO INC

Address:3941 OAKCLIFF INDUSTRIAL CT

Box:City:ATLANTA

State:GA

ZIP:30340-3408

Country:US

Phone:770-449-5900

CAGE:

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Composition/Information on Ingredients  
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Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 17%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:LEAD (SARA III)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 60%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingr  
ed Name:LEAD OXIDE (LITHARGE)  
CAS:1317-36-8  
RTECS #:OG1750000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRITATION OF  
RESPIRATORY TRACT, EYES, SKIN OR GI TRACT. MAY CAUSE BURNS OF SKIN,  
EYES, OR GI TRACT. MAY CAUSE CORNEAL DAMAGE OR BLINDNESS. CHRON  
IC:  
TOOTH EROSION, INFLAMMATION OF NOS E, THROAT AND BRONCHIAL TUBES.  
Explanation of Carcinogenicity:THE ELECTROLYTE IS NOT LISTED BY IARC,  
NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:INHALATION: BURNING SENSATION IN NOSE, THROAT  
AND LUNGS, COUGHING, WHEEZING, SHORTNESS OF BREATH. EYES: REDNESS,  
TEARING, BLURRED VISION, BURNS, SEVERE PAIN. SKIN: SEVERE PAIN,  
BURNS, REDNESS, RASH, I TCHING. INGESTION: BURNS OF MOUTH, THROAT,  
AND ESOPHAGUS, SEVERE STOMACH PAIN, NA

USEA, VOMITING.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT OR TEETH MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION. SKIN : REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ADVICE. INGESTION: DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media: USE DRY CHEMICAL, CARBON DIOXIDE, FOAM, HALOGEN. Fire Fighting Procedures: USE OF WATER IN EXTINGUISHING BURNING BATTERIES MAY CAUSE SPATTERING DUE TO THE PRESENCE OF MOLTEN LEAD. WEAR SCBA AND FULL PROTECTIVE GEAR. Unusual Fire/Explosion Hazard: AFTER ELECTROLYTE IS ADDED AND BATTERY IS BEING CHARGED, HYDROGEN GAS IS PRODUCED. BATTERY MAY EXPLODE IF HYDROGEN GAS TRAPPED INSIDE THE CASE SHOULD IGNITE.

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

Spill Release Procedures: SHOULD A BATTERY BREAK OPEN, ISOLATE AREA. ELECTROLYTE SHOULD BE ABSORBED WITH A NON-ORGANIC TYPE ABSORBENT SUCH AS DRY SAND OR EARTH. AVOID DILUTION WITH WATER. LEAD SPILLED FROM THE BATTERY SHOULD BE VACUUMED, DO NOT SWEEP OR USE COMPRESSED AIR. Neutralizing Agent: USE SODA ASH OR BAKING SODA TO NEUTRALIZE THE ELECTROLYTE.

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

Handling and Storage Precautions: AVOID THE USE OF UNINSULATED TOOLS. IF THEY ARE REQUIRED, TAKE CARE NOT TO ELECTRICALLY SHORT THE TERMINALS. REMOVE METAL JEWELRY BEFORE SERVICING. Other Precautions: UNDER NORMAL CONDITIONS OF USE, EXPOSURE TO LEAD OR LEAD CONT

AINING COMPOUNDS DOES NOT OCCUR. SHOULD A BATTERY BREAK OPEN AND A LEAD SPILL OCCUR, PRECAUTIONS SHOULD BE TAKEN TO PREVENT LEAD DUST FROM BECOMING AIR BORNE.

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

Respiratory Protection:UNDER NORMAL CONDITIONS OF USE, RESPIRATORY PROTECTION IS NOT REQUIRED. HOWEVER, IF CONDITIONS ARISE THAT REQUIRE THEIR USE, USE ONLY NIOSH/MSHA RESPIRATORS APPROVED FOR DUST, FUME AND MIST.

Ventilation:BATTERY CHARGING AREAS MUST BE ADEQUATELY VENTILATED TO

PREVENT HAZARDOUS CONCENTRATIONS OF FLAMMABLE GAS OR ACID MIST.

Protective Gloves:RUBBER GLOVES APPROVED FOR SULFURIC ACID

Eye Protection:CHEMICAL SPLASH GOGGLES AND FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE IMPERVIOUS WORK CLOTHING, BOOTS AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supp

lemental Safety and Health

RQ FOR CERCLA AND SARA III IS 1000 LBS (ELECTROLYTE). MSDS WRITTEN FOR ELECTROLYE- IT IS THE PRIMARY HAZARD DURING NORMAL USE AND HANDLING.

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

HCC:C1

Appearance and Odor:RECTANGULAR/SQUARE IN SHAPE-ORANGE IN COLOR-NO ODOR

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

Stability Indicator/Materials to Avoid:YES

CONTACT OF ELECTROLYTE WITH ORGANIC MATERIAL AND COMBUSTIBLES, STRONG

ALKALIS, REDUCING AGENTS, STRONG OXIDIZING AGENTS

Stability Condition to Avoid:OVERCHARGING, SOURCES OF IGNITION

Hazardous Decomposition Products:SULFURIC ACID MIST, SULFUR DIOXIDE AND CARBON MONOXIDE MAY BE RELEASED WHEN ELECTROLYTE DECOMPOSES.

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

Waste Disposal Methods:BOTH ELECTROLYTE AND SCRAP BATTERIES ARE REGULATED HAZARDOUS WASTE. SCRAP BATTERIES CONTAIN MATERIALS WHICH ARE RECYCLABLE AND MUST BE RE

TURNED TO AUTHORIZED RECYCLER.

ELECTROLYTE SHOULD BE HAULED TO A PERMITTED TREATMENT FACILITY.

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