

POWER-SONIC CORP -- SEALED MAINTENANCE FREE LEAD ACID BATTERIES -- 6140-01-090-6667  
===== Product Identification =====

Product ID:SEALED MAINTENANCE FREE LEAD ACID BATTERIES

MSDS Date:10/01/1994

FSC:6140

NIIN:01-090-6667

MSDS Number: CFYNY

=== Responsible Party ===

Company Name:POWER-SONIC CORP

Address:9163 SIEMPRE VIVA ROAD, SUITES 1-F

City:SAN DIEGO

State:CA

ZIP:92873

Country:US

Info Phone Num:

619-661-2030/FAX 619-661-8033

Emergency Phone Num:619-661-2030

CAGE:56309

=== Contractor Identification ===

Company Name:BATTERY EMPORIUM & TECHNOLOGY

Address:1462 CALLE MARBELLA

Box:UNKNOW

City:OCEANSIDE

State:CA

ZIP:92056

Country:US

Phone:760-630-1848

CAGE:05B71

Company Name:CELL ENERGY

Box:UNKNOW

CAGE:16269

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

===== Composition/Information on

Ingredients =====

Ingred Name:LEAD (SARA 313) (CERCLA)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 70%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE 1910.1025  
ACGIH TLV:0.05MG/M3, A3; 9596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 20%  
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

Ingred Name:FIBERGLASS SEPERATOR  
F  
raction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:STYRON R 475  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:LEAD-THE TOXIC AFFECTS OF LEAD ARE  
CUMULATIVE & SLOW TO APPEAR. IF AFFECTS THE KIDNEYS, REPRODUCTIVE &  
CENTRAL NERVOUS SYSTEM. SULFURIC ACID-SULFURIC  
ACID IS A STRONG  
CORROSIVE. CONTACT WITH ACID CAN CAUSE SEVERE BURNS ON THE SKIN &  
IN EYES.

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.  
Effects of Overexposure:THE SYMPTOMS OF LEAD OVEREXPOSURE ARE ANEMIA,  
VOMITING, HEADACHE, STOMACH PAIN (LEAD COLIC), DIZZINESS, LOSS OF  
APPETITE, AND MUSCLE AND JOINT PAIN. SULFURIC ACID-INGESTION OF  
SULFURIC ACID WILL CAUSE GI TRACT BURNS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:SKIN-FLUSH WITH PLENTY OF WATER, SEE PHYSICIAN IF CONTACT AREA IS LARGE OR IF BLISTERS FORM. EYE-CALL PHYSICIAN IMMEDIATELY & FLUSH WITH WATER UNTIL PHYSICIAN ARRIVES. INGESTION-CALL PHYSICIAN IF PATIENT IS CONSCIOUS, FLUSH MOUTH WITH WATER, HAVE THE PATIENT DRINK MILK OR SODIUM BICARBONATE SOLUTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Fire Fighting Measures  
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Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:IN CASE OF FIRE WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.  
Fire Fighting Procedures:SEALED BATTERIES CAN EMIT HYDROGEN ONLY IF OVER CHARGED. TEMPERATURES OVER 300C MAY RELEASE COMBUSTIBLE GASES.  
Unusual Fire/Explosion Hazard:TOCIV VAPORS MAY BE RELEASED.

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Accidental Release Measures  
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Spill Release  
Procedures:IF SULFURIC ACID IS SPILLED FROM A BATTERY, NEUTRALIZE ACID WITH SODIUM BICARBONATE (BAKING SODA), SODIUM CARBON (SODA ASH), OR CALCIUM OXIDE (LIME), FLUSH AREA WITH WATER & DISCARD TO THE SEWAGE SYSTEM. DO NOT ALLOW UNNEUTRALIZED ACID INTOSEWER.  
Neutralizing Agent:BAKING SODA, SODA ASH, LIME.

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Handling and Storage  
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Handling and Storage Precautions:DO NOT REST TOOLS OR CABLES ON THE BATTERY. USE INSULATED TOOLS ONLY.  
Other Precautions:FOLLOW ALL INSTRUCTIONS AND DIAGRAMS WHEN INSTALLING OR MAINTAINING BATTERY SYSTEM.

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Exposure Controls/Personal Protection  
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Respiratory Protection:RESPIRATOR FOR LEAD. A RESPIRATOR SHOULD BE WORN DURING RECLAIM OPERATIONS IF THE TLV IS EXCEEDED.  
Ventilation:NONE SPECIFIED BY MANUFACTURER.  
Protective Gloves:RUBBER GLOVES.  
Eye Protection:SAFETY GOGGLES, FACE SHIELD.  
Other Protective Equipment:APRON. PROTECTIVE EQUIPMENT MUST BE WORN IF THE

BATTERY IS CRACKED OR OTHERWISE DAMAGED.

Work Hygienic Practices:WASH AFTER HANDLING.

Supplemental Safety and Health

NONE.

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

HCC:Z4

Boiling Pt:B.P. Text:621F,327C

Spec Gravity:11.34 (PB)

Solubility in Water:NONE

Appearance and Odor:SILVER-GRAY METAL

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

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS, STRONG BASES, MOST ORGANIC COMPOUNDS. AVOID MIXING

ACIDS WITH OTHER CHEMICALS.

Stability Condition to Avoid:STABLE IN ALL TEMPERATURES. PROHOBIT  
SMOKING, SPARKS, ETC. FROM BATTERY CHARGING AREA.

Hazardous Decomposition Products:SULFUR DIOXIDE, TRIOXIDE, HYDROGEN  
SULFIDE, HYDROGEN.

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

Waste Disposal Methods:NEUTRALIZED ACID MAY BE FLUSHED DOWN THE SEWER.

SPENT BATTERIES MUST BE TREATED AS HAZARDOUS WASTE AND DISPOSED OF  
ACCORDING TO LOCAL, STATE AND FEDERAL RE  
GULATIONS. A COPY OF THIS

MATERIAL SAFETY DAT A SHEET MUST BE SUPPLIED TO ANY SCRAP DEALER.

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