

POWER-SONIC CORP -- SEALED MAINTENANCE FREE LEAD ACID BATTERIES -- 6140-00-758-0269  
===== Product Identification =====

Product ID:SEALED MAINTENANCE FREE LEAD ACID BATTERIES

MSDS Date:10/01/1994

FSC:6140

NIIN:00-758-0269

MSDS Number: BYTKX

=== 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 Num:415-364-5001

Preparer's Name:ENGINEERING

CAGE:56309

=== Contractor Identification ===

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:0.15MG/M3 DU

ST; 9495  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID  
CAS:8014-95-7  
RTECS #:WS5605000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:1 MG/M3/3 STEL; 9495  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:FIBERGLASS SEPARATOR  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYSTYRENE  
CAS:9003-53-6  
RTECS #:WL6475000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:LEAD-THE TOXIC EFFECTS OF LEAD ARE ACCUMULATIVE AND SLOW TO APPEAR. IT EFFECTS THE KIDNEYS, REPRODUCTIVE, AND CENTRAL NERVOUS SYSTEM. SULFURIC ACID-IS A STRONG CORROSIVE. CONTACT WITH ACID CAN CAUSE BURNS ON THE SKIN AND IN EYES. INGESTION OF SULFURIC ACID WILL CAUSE GI TRACT BURNS.  
Explanation of Carcinogenicity:THIS PRODUCT IS NOT CONSIDERED

CARCINOGENIC BY NTP OR OSHA.  
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. FIBERGLASS SEPERATOR-FIBER GLASS IS AN IRRITANT OF THE UPPER RESPIRATORY TRACT, SKIN AND EYES.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN CONTACT-FLUSH WITH WATER, SEE

PHYSICIAN IF CONTACT AREA

IS LARGE OR IF BLISTERS FORM. EYE CONTACT-CALL PHYSICIAN IMMEDIATELY AND 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 TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Pr

cedures:IN CASE OF FIRE: WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:TOXIC VAPORS MAY BE RELEASED. DEADED BATTERIES CAN EMIT HYDROGEN GAS ONLY IF OVER CHARGED.

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

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

Neutralizing Agent:BAKING SODA, SODA ASH, LIME.

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

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

Other Precautions:DUE TO THE BATTERIES LOW INTERNAL RESISTANCE AND HIGH POWER DENSITY, HIGH LEVELS OF SHORT CIRCUIT CURRENT CAN BE DEVELOPED.

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

Respiratory Protection: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.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health  
NONE

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

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HCC:Z4

Melt/Freeze Pt:M.P/F.P Text:621F,327C

Spec Gravity:11.34

Solubility in Water:NONE

Appearance and Odor:SILVER-GREY METAL. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS, STRONG BASES, MOST ORGANIC COMPOUNDS.

Stability Condition to Avoid:PROHIBIT SMOKING, SPARKS, ETC. FROM  
BATTERY CHARGING AREA. AVOID MIXING ACID WITH OTHER CHEMICALS.

Hazardous Decomposition Products:SULFURIC DIOXIDE, T  
RIOXIDE, 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 REGULATIONS. A COPY OF THIS  
MSDS MUST BE SUPPLIED TO ANY SCRAP DEALER OR SECONDARY SMELTER.

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