

POWER-SONIC CORP, TECHNICAL DIV -- SEALID MAINTENANCE FREE LEAD ACID BATTERIES --  
6140-01-324-6424

===== Product Identification =====

Product ID:SEALID MAINTENANCE FREE LEAD ACID BATTERIES

MSDS Date:10/01/1994

FSC:6140

NIIN:01-324-6424

MSDS Number: BZNVX

=== Responsible Party ===

Company Name:POWER-SONIC CORP, TECHNICAL DIV

Address:1444 30TH ST

City:SAN DIEGO

State:CA

ZIP:92154

Country:US

Info Ph

one Num:619-575-2275

Emergency Phone Num:619-575-2275

CAGE:0WJ05

=== Contractor Identification ===

Company Name:BATTERY CENTER THE (404-448-9273)

Address:2245 BUTTON GWINNETT DR

Box:UNKNOW

City:ATLANTA

State:GA

ZIP:30340

Country:US

Phone:770-448-9273

CAGE:00HZ6

Company Name:POWER-SONIC CORP

Address:9163 SIEMPRE VIVA ROAD

Box:City:SAN DIEGO

State:CA

ZIP:92173

Country:US

Phone:619-661-2030

CAGE:0WJ05

===== Composition/Information on Ingredients =====

Ingred Name:LEAD (PB, PBO2,

PBS0)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 70%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG/M3  
ACGIH TLV:0.15 MG/M3  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 20%  
Other REC Limits:NONE RECOMMENDED  
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:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:LEAD: TOXIC EFFECTS OF LEAD ARE ACCUMULATIVE & SLOW TO APPEAR. IT EFFECTS THE KIDNEYS, REPRODUCTIVE, AND CENTRAL NERVOUS SYSTEM. SULFURIC ACID: SULFURIC ACID IS A STRONG CORROSIVE. CONTACT WITH ACID CAN CAUSE SEVERE BURNS ON THE SKIN AND INEYES. INGESTION OF SULFURIC ACID WILL CAUSE GI TRACT BURS.  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:LEAD: THE SYMPTOMS OF LEAD OVEREXPOSURE ARE ANEMIA, VOMITING, HEADACHE, STOMACH PAIN, DIZZINESS, LOSS OF APPETITE AND MUSCULAR AND JOINT PAIN.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN: FLUSH WITH WATER. SEE PHYSICIAN IF CONTACT AREA IS LARGE OR IF BLIS

TERS FORM. EYE: 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 Procedures:TOXIC VAPORS MAY BE RELEASED. IN CASE OF FIRE:

WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:SEALED BATTERIES CAN EMIT HYDROGEN ONLY  
IF OVERCHARGED. TEMPERATURES OVER 300C (572F) MAY RELEASE  
COMBUSTIBLE GASES.

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

Spill Release Procedures:IF SULFURIC ACID IS SPILLED FROM A BATTERY,  
NEUTRALIZE THE ACID WITH SODIUM BICARBONATE, SODA ASH, OR LIME.  
FLUSH AREA WITH WATER AND DISCARD TO SEWAGE SYSTEM. DO NOT ALLOW  
UNNEUTRALIZED ACID  
INTO SEW AGE SYSTEM.

Neutralizing Agent:SODIUM BICARBONATE (BAKING SODA), SODIUM CARBON(SODA  
ASH), CALCIUM OXIDE (LIME)

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

Handling and Storage Precautions:DUE TO BATTERY'S LOW INTERNAL  
RESISTANCE & HIGH POWER DENSITY, HIGH LEVS OF SHORT CIRCUIT CURRENT  
CAN BE DEVELOPED ACROSS BATTERY TERMINALS.

Other Precautions:DO NOT REST TOOLS OR CABLES ON BATTERY. USE INSULATED  
TOOLS ONLY. FOLLOW ALL INHALATION INSTRUCTIONS A  
ND DIAGRAMS WHEN  
INSTALLING OR MAINTAINING BATTERY SYSTEMS.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR (FOR LEAD).  
RESPIRATOR SHOULD BE WORN DURING RECLAIM OPERATIONS IF 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  
BATTERY IF CRACKED OR OT

HERWISE DAMAGED.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE

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

HCC:C1

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

Spec Gravity:11.34 LEAD

Solubility in Water:NONE

Appearance and Odor:SILER-GRAY METAL. NO ODOR. (LEAD)

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

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS, STRONG BASES, MOST ORGANIC COMPOUNDS.

Stab

ility Condition to Avoid:PROHIBIT SMOKING, SPARKS, ETC. FROM

BATTERY CHARGING AREA. AVOID MIXING ACID WITH OTHER CHEMICALS.

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

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

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

SPENT BATTERIES MUST BE TREATED AS HAZARDOUS WASTE AND DISPOSED OF  
ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS. COPY OF MSDS

MUST BE SUPPLIED TO ANY SCRAP DEALER OR SECONDARY LEAD SMOLTER  
W/BATTERY.

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 r

esponsibility for the suitability of this information to their  
particular situation.