

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 Pho

ne 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:UNKNOWN

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 Limit
s: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 C AN CAUSE SEVERE
BURNS ON THE SKIN AND INEYES. INGE
STION 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 BLIST

ERS 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 I

NTO 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 AN
D 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 OTH

ERWISE 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.

Stabi

lity 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.

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