

POWER-SONIC CORP, TECHNICAL DIV -- SEALED MAINTENANCE FREE LEAD ACID BATTERIES,PS-6360 -- 6140-01-090-6667

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

Product ID:SEALED MAINTENANCE FREE LEAD ACID BATTERIES,PS-6360

MSDS Date:05/20/1997

FSC:6140

NIIN:01-090-6667

MSDS Number: CGMXF

=== Responsible Party ===

Company Name:POWER-SONIC CORP, TECHNICAL DIV

Address:1444 30TH ST

City:SAN DIEGO

State:CA

ZIP:92154

Co

untry:US

Info Phone Num:619-575-2275/661-2030

Emergency Phone Num:619-575-2275/661-2030

CAGE:0WJ05

=== Contractor Identification ===

Company Name:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

CAGE:0FGN2

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:9163 SIEMPRE VIVA ROAD

Box:City:SAN DI

EGO
State:CA
ZIP:92173
Country:US
Phone:619-661-2030
CAGE:0WJ05
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:5X783

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

Ingred Name:LEAD (SARA 313) (CERCLA); TOTAL PERCENTAGE OF INGREDIENTS
1, 2 AND 3: ABOUT 70

CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: SEE ING
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH T
LV:0.05MG/M3, A3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDES
Fraction by Wt: SEE # 1%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LEAD SULFATE (SARA 313) (CERCLA)
CAS:15739-80-7
Fraction by Wt: SEE # 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15 MG(PB)/M3; 9596
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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 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 =====

LD50 LC50 Mixture:NOT RELEVANT
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards

Acute and Chronic:IF BROKEN/IN FIRE: TARGET ORGANS:EYE,
SKIN, CNS, LUNG, GI TRACT. ACUTE- LEAD MAY CAUSE GI UPSET. ACID CAN
CAUSE EYE, SKIN SEVERE IRRITATION, BURNS, CORNEAL & LUNG DAMAGE.
INGESTION MAY CAUSE BURNS. CHRONIC- LEAD MAY EFFECT KIDNEYS, CNS,
REPRODUCTIVE ORGANS. ACID CAN CAUSE BRONCHITIS, EROSION OF TOOTH
ENAMEL.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:SEVERE IRRITATION, ANEMIA, ABDOMINAL PAIN,
NAUSEA, VOMITING, CONSTIPATION
, HEADACHE, FATIGUE, LOSS OF
APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES, BURNS,
PAIN

Medical Conditions Aggravated by Exposure:LEAD AND ITS COMPONENTS CAN
AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES. ACID
MAY AGGRAVATE SKIN DISORDERS.

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

First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE.
EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS
OPEN. INHAL

ED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY.

ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH & DRINK MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION.

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

Flash Point:NON-FLAMMABLE

Lower Limits:4% HYDROGEN

Upper Limits:74.2% (H2)

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

USE WATER SPRAY TO COOL EXTERIOR OF BATTERIES.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. CORROSIVE ACID MIST MAY BE PRESENT.

Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUMES, VAPORS AND/OR DUST THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS. HYDROGEN GAS, IF PRESENT, MAY CAUSE FIRE OR EXPLOSION.

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

Spill Release Procedures:WEAR ACID-RESISTANT CLOTHING, GLOVES.

CAREFULLY NEUTRALIZE SPILL WITH SODA ASH, SODIUM BICARBONATE, LIME. DISCHARGE TO SEWER WITH LARGE AMOUNT OF WATER, IF ALLOWED. DO NOT ALLOW UNNEUTRALIZED ACID INTO THE SEWAGE SYSTEM.

Neutralizing Agent:SODA ASH, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY, VENTILATED AREAS, UNDER THE ROOF. KEEP AWAY FROM SPARKS, FIRE AND INCOMPATIBLES.

Other Precautions:

WASH HANDS BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN. AVOID THE USE OF UNINSULATED TOOLS. DO NOT MAKE A CONNECTION BETWEEN THE TWO BATTERY TERMINALS AS SEVERE SPARKING MAY OCCUR WHICH COULD RESULT IN AN EXPLOSION.

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

Respiratory Protection:NONE REQUIRED. FOR DUST, FUME OR MIST, WEAR NIOSH-APPROVED RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS. FOR ACID MIST, WEAR NIOSH-APPROVED ACID MIST

RESPIRATOR.

Ventilation:ADEQUATE

Protective Gloves:RUBBER WHEN HANDLING BROKEN BATTERIES

Eye Protection:GOGGLES WHEN HANDLING BROKEN BATTERIES

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:Z4

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:NOT KNOWN

Spec Gravity:1.3

(ACID)

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:PRODUCT IS A SEALED BATTERY.

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

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS, STRONG ALKALIS, MOST ORGANIC COMPOUNDS

Stability Condition to Avoid:PROLONGED OVERCHARGING, SHORTING

Hazardous Decomposition Products:TOXIC LEAD FUMES, LEAD OXIDE,

HYDROGEN, SULFUR DIOXIDE, SULFUR TRIOXIDE,

HYDROGEN SULFIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. MATERIAL SHOULD BE RECYCLED AT A SECONDARY
LEAD SMELTER. RECYCLING IS RECOMMENDED.

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