

POWER-SONIC CORP -- SEALED MAINTENANCE FREE LEAD ACID BATTERIES -- 6140-01-108-2159
===== Product Identification =====

Product ID:SEALED MAINTENANCE FREE LEAD ACID BATTERIES

MSDS Date:05/23/1994

FSC:6140

NIIN:01-108-2159

MSDS Number: BZPKJ

=== 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

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). TOTAL PERCENTAGE OF INGREDIENTS
1, 2 AND 3 IS ABOUT 70.

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: SEE ING

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:LEAD OXIDE
CAS:1309-60-0
RTECS #:OG0700000
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/STYRON R 479
CAS:9003-53-6
RTECS #:WL6475000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR SULFURIC ACID IS 1 MG/M3.
Routes of Entry: Inhalation:NO S

kin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, KIDNEY.

ACUTE- PRODUCT IS A NON-SPILLABLE BATTERY. IF LEAKS: ACID CONTACT CAN CAUSE EYE, SKIN, RESPIRATORY & GI TRACTS BURNS. NO POSSIBILITY OF OVER EXPOSURE OF LEAD UNLE SS BATTERY IS DESTROYED. CHRONIC-LEAD MAY CAUSE ANEMIA, KIDNEY & NERVOUS SYSTEM DAMAGE. ACID CAN DAMAGE LUNGS & TEETH.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effe
cts of Overexposure:NONE. IF LEAKING: SEVERE IRRITATION, BURNS,
PAIN

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

First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE.
EYES/SKIN:FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS SPONTANEOUSLY, KEEP AIRWAY CLEAR.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:CARBON DIOXIDE OR DRY CHEMICAL. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:MAY RELEASE COMBUSTIBLE GASES.

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

Spill Release Procedures:IN THE CASE OF AN ACCIDENT THAT DAMAGES AND OPENS THE BATTERY, PROTECTIVE GLOVES WILL BE REQUIRED. REMOVE IGNITION SOURCES (H2 MAY BE PRESENT). COLLECT AND PLACE IN A DRUM. DO NOT FLUSH TO SEWER. VENT ILATE AREA.
Neutralizing Agent:SODA ASH (SODIUM CARBONATE), QUICKLIME (CALCIUM OXIDE)

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

Handling and Storage Precautions:STORE IN COOL

PLACE AWAY FROM SOURCES OF IGNITION. PROTECT AGAINST PHYSICAL DAMAGE.
Other Precautions:KEEP TERMINALS COVERED. AVOID SHORTING BATTERIES. DO NOT OVERCHARGE BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING BATTERIES. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE. USE NIOSH-APPROVED ACID-MIST FILTER RESPIRATOR IF 1 MG/M3 TWA IS EXCEEDED (ACID).

Ven

tilation:ADEQUATE GENERAL VENTILATION

Protective Gloves:VINYL COATED, PVC

Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES

Other Protective Equipment:RUBBER APRON AND BOOTS. EYES WASH STATION AND SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices:REMOVE METALLIC JEWELRY-SHOCK POTENTIAL. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A OR B, SAME NSN.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:BATTERY CONTAINING SULFURIC ACID AND LEAD, SEALED

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

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS, STRONG BASES, MOST ORGANIC COMPOUNDS

Stability Condition to Avoid:HIGH HEAT (TEMPERATURES ABOVE 572F /300C),

OPEN FLAMES, OVERCHARGING, SMOKING, SPARKS

Hazardous Decomposition Products:OXIDES OF LEAD AND SULFUR, HYDROGEN SULFIDE, HYDROGEN

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

Waste Disposal Methods:DISPOSE AS HAZARDOUS WASTE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS FOR ACID OR LEAD SCRAP. SEND BATTERIES TO LEAD SMELTER FOR RECLAMATION FOLLOWING APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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