

POWER-SONIC CORP -- RECHARGEABLE BATTERIES,PS-6200 -- 6140-01-205-3814

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Product Identification  
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Product ID:RECHARGEABLE BATTERIES,PS-6200

MSDS Date:01/14/1990

FSC:6140

NIIN:01-205-3814

MSDS Number: BNKSM

=== Responsible Party ===

Company Name:POWER-SONIC CORP

Address:3106 SPRING ST

Box:5242

City:REDWOOD CITY

State:CA

ZIP:94063

Country:US

Info Phone Num:415-364-5001

Emergency Phone Num:4

15-364-5001

Preparer's Name:NOT KNOWN

CAGE:56309

=== Contractor Identification ===

Company Name:ADVANCED INDUSTRIES INC

Address:415 NORTHCUTT STREET

Box:5666

City:LONGVIEW

State:TX

ZIP:75608

Country:US

Phone:214-236-4101

CAGE:0GA21

Company Name:KASS ELECTRONICS DISTRIBUTORS

CAGE:9M691

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

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Composition/Information on Ingredients  
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Ingred Name:SULFURIC ACID (SARA III) - DILUTE SULFURIC  
ACID/ELECTROLYTE

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 17%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 60%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE

Fraction by Wt: 2

0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG/M3 AS PB

ACGIH TLV:0.15 MG/M3 AS PB

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

LD50 LC50 Mixture:TLV FOR SULFURIC ACID IS 1 MG/M3.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:IF LEAKING:ACUTE- LEAD MAY CAUSE GI  
UPSET, LOSS OF APPETITE, CONSTIPATION & FATIGUE. CONTACT WITH  
SULFURIC ACID MAY LEAD TO EYE, SKIN & RE

SPIRATORY TRACT IRRITATION,

CORNEAL & LUNG DAMAGE. CHRONIC- LE AD MAY CAUSE ANEMIA, KIDNEY &  
NERVOUS SYSTEM DAMAGE. ACID CAN CAUSE BRONCHITIS, EROSION OF TOOTH  
ENAMEL.

Explanation of Carcinogenicity:LEAD IS POSSIBLY CARCINOGENIC TO HUMAN.

Effects of Overexposure:IF BATTERY IS LEAKING OR IN A FIRE: SEVERE  
IRRITATION & BURNS OF MUCOUS MEMBRANES, EYES, SKIN

Medical Cond Aggravated by Exposure:NOT RELEVANT

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

First

Aid:NON NORMALLY REQUIRED. IF BATTERY IS LEAKING OR BROKEN, OBTAIN MEDICAL ATTENTION FOR ANY EXPOSURE. EYES/SKIN:FLUSH WITH WATER FOR 15 MINUTES. KEEP EYELIDS OPEN. INHALATION:MOVE TO FRESH AIR. INGESTION :DRINK LARGE AMOUNT OF WATER OR MILK, FOLLOWED BY MILK OF MAGNESIA.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:WATER SPRAY, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. CASE IS NON-FLAMMABLE.

Unusual Fire/Explosion Hazard:HYDROGEN GAS MAY BE PRODUCED AND MAY EXPLODE IF IGNITED. ACID MISTS AND VAPORS IN A FIRE ARE TOXIC AND CORROSIVE.

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

Spill Release Procedures:IF CASE IS CRACKED, AVOID CONTACT WITH ELECTROLYTES. WRAP TIGHTLY IN POLYETHYLENE BAGS FOR DISPOSAL.

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

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

Handling and Storage Precautions:STORE IN COOL, DRY AREA. DO NOT SHORT CIRCUIT; MAY CAUSE BURNS. AVOID INCINERATION OR MUTILATION.

Other Precautions:KEEP TERMINALS COVERED. DO NOT OVERCHARGE BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING

BATTERIES. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM REACH OF SMALL CHILDREN.

===== 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).

Ventilation:ADEQUATE GENERAL VENTILATION

Protective Gloves:RUBBER FOR LEAKERS

Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES (LEAKERS)

Other Protective Equipment:EYE WASH STATION AND SAFETY

SHOWER

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

Supplemental Safety and Health

NOTE: THE SULFURIC ACID IS SEALED WITHIN A CLOSED SYSTEM AND IS NON-SPILLABLE.

===== 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:NON-SPILLABLE BATTERY (SEALED), ORANGE IN COLOR, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, REACTIVE METALS, MOST ORGANIC COMPOUNDS. SOLVENTS MAY DISSOLVE CASE MATERIAL.

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

Hazardous Decomposition Products:SULFUR DIOXIDE, TRIOXIDE, HYDROGEN SULFIDE MAY BE FORMED.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS FOR ACID OR LEAD SCRAP. THE MATERIAL SAFETY DATA SHEET MUST BE PASSED TO SMELTER WHEN THE BATTERY IS SOLD.

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