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

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

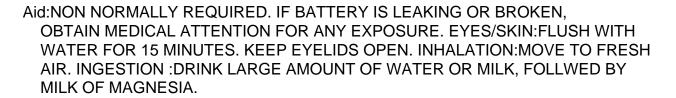
CAGE:56309

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

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 Qtv: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 =========== 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.

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

First



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

Flash Point: NON-FLAMMABLE

Extinguishing Media:WATER SPRAY, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COO

L & 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 E

LECTROLYTES. 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 C HARGING

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 & Evaporation 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.

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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