

POWER-SONIC CORP -- POWERSONIC RECHARGEABLE BATTERIES,PS-640F -- 6140-01-338-9155

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

Product ID:POWERSONIC RECHARGEABLE BATTERIES,PS-640F

MSDS Date:01/14/1990

FSC:6140

NIIN:01-338-9155

MSDS Number: BQDTV

=== 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:CHICAGO INDUSTRIAL TRADING CO

Address:1901 LANDMEIER RD

Box:City:ELK GROVE VILLAGE

State:IL

ZIP:60007

Country:US

Phone:708-981-0090

CAGE:0K4U5

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)

CAS:7664

-93-9  
RTECS #:WS5600000  
Fraction by Wt: 17%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192  
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 SPECIFIED  
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: 20%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST  
9293

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:BURNS, OR EYE DAMAGE FROM SULFURIC  
ACID ELECTROLYTE. ILLNESS FROM SULFUR OXIDE FUMES.  
Effects of Overexposure:EYES: EYE DAMAGE. SKIN: BURNS, IRRITATION.  
INHALATION: NASAL AND RESPIRATORY TRACT IRRITATION FROM SULFUR  
OXI  
DE FUMES. INGESTION: STOMACH IRRITATION.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH  
WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH A

## IR. IF NOT

BREATHING GIVE C PR. IF BREATHING DIFFICULT GIVE OXYGEN.GET MEDICAL ATTENTION. DISCONNECT BATTERIES, VENTILATE AREA. INGESTION: DRINK LARGE AMOUNTS OF WATER OR MILK,FOLLOWED BY MILK OF MAGNESIA.GET MEDICAL ATTENTION.

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

Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:THE NON-CONDUCTIVE POLYSTRENE CASING IS NON-FLAMMABLE PER UL94 RATING VE-0 OR VE-1.

Unusual Fire/Explos

ion Hazard:KEEEP AWAY FROM OPEN FLAMES AND SPARKS.

IMPROPER CHARGING AND IGNITION OF RESULTING GASES CAN CAUSE EXPLOSION, PARTICULARLY IN GAS TIGHT ENCLOSURES.

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

Spill Release Procedures:THE ELECTROLYTE IS IMMOBILIZED AND COMPLETELY SECURED WITHIN THE BATTERY CASE. IF CASE IS CRACKED AVOID CONTACT WITH ELECTROLYTE. WRAP BROKEN BATTERY TIGHTLY IN POLLYETHYLENE BAGS FOR DISPOSAL.

Neutralizing Agent:USE SODA ASH OR BAKING SODA TO NEUTRALIZE THE ELECTROLYTE.

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

Handling and Storage Precautions:AVOID ELECTRICALLY SHORTING THE TERMINALS. PROTECT BATTERY FROM PHYSICAL DAMAGE. OBSERVE PROPER CHARGING PROCEDURES.

Other Precautions:UNDER NORMAL CONDITIONS OF USE, EXPOSURE TO LEAD OR LEAD CONTAINING COMPOUNDS DOES NOT OCCUR. SHOULD A BATTERY BREAK OPEN AND A LEAD SPILL OCCUR, PRECAUTIONS SHOULD BE TAKEN TO PREVENT LEAD DUST FROM BECOMING AIR BORNE.

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

Respiratory Protection:UNDER NORMAL CONDITIONS OF USE, RESPIRATORY PROTECTION IS NOT REQUIRED. HOWEVER, IF CONDITIONS ARISE THAT REQUIRE THEIR USE, USE ONLY NIOSH/MSHA RESPIRATORS APPROVED FOR DUST, FUME AND MIST.

Ventilation:BATTERY CHARGING AREAS MUST BE ADEQUATELY VENTILATED TO PREVENT HAZARDOUS CONCENTRATIONS OF FLAMMABLE GAS OR ACID MIST.

Protective Gloves:RUBBER GLOVES FOR HA

NDLING BROKEN UNITS.

Eye Protection:GOGGLES WHEN HANDLING BROKEN BATTERIES.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE IMPERVIOUS PROTECTIVE WORK CLOTHING AS REQUIRED.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,

DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Appearance and Odor:RECTANGLE/SQUARE IN SHAPE. ORA

NGE IN COLOR. NO

ODOR.

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

Stability Indicator/Materials to Avoid:YES

SOLVENTS MAY DISSOLVE CASE MATERIAL.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:SEVERE OVERCHARGING AND OVERHEATING

MAY CAUSE HYDROGEN, OXYGEN, AND SULFUR OXIDE FUMES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE

AND FEDERAL REGULATIONS. DISPOSE OF WASTES WITH AUTOMOTIVE SCRAP BATTERIES. DO NOT INCINERATE.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing thi

s

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.