

===== 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:NON

E 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 =====
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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
OXIDE 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 AIR. 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/Explosion 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.

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===== 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 HANDLING 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. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Appearance and Odor:RECTANGLE/SQUARE IN SHAPE. ORANGE IN COLOR. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

SOLVENTS MAY DISOLVE 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.

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