

POWER SONIC -- SEALED MAINTENANCE FREE LEAD ACID BATTERIES -- 6140-01-293-7749

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Product Identification
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Product ID:SEALED MAINTENANCE FREE LEAD ACID BATTERIES

MSDS Date:10/01/1994

FSC:6140

NIIN:01-293-7749

MSDS Number: CGMKS

=== Responsible Party ===

Company Name:POWER SONIC

Address:9163-A SIEMPRE VIVA ROAD

City:SAN DIEGO

State:CA

ZIP:92173

Country:US

Info Phone Num:619-661-2030/FAX 619

-661-6033

Emergency Phone Num:619-661-2030

CAGE:PWRSN

=== Contractor Identification ===

Company Name:POWER SONIC

Address:9163 SIEMPRE VIVA RD SUITES A - F

Box:City:SAN DIEGO

State:CA

ZIP:92173

Country:US

Phone:619-661-2030 FAX 619-661-8033

CAGE:PWRSN

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA 313) (CERCLA) (PB,PBO2,PBSO4)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 70%

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: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:STYRON R 478 (POLYSTYRENE)
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED

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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:PB:TOXIC EFFECTS ACCUMULATIVE,SLOW TO
APPEAR.AFFECTS KIDNEYS,REPRODUCTIVE,CNS.EXPO TO LEAD FROM BATT MOST
OFTEN OCCURS DURING LEAD RECLAIM OPERATIONS THROUGH BREATH/INGEST
LEAD DUST/FUMES.SULFURIC ACID:STRONG CORRO.CONTACT W/ACID CAN
CAUSESEVERE BURNS ON SKIN/EYES
.INGEST WILL CAUSE GI TRACT
BURNS.ACID CAN RELEASE(SUP)
Explanation of Carcinogenicity:PER MSDS:BIERGLASS SEPARATOR NOT
CONSIDERED CARC BY NTP/OSHA.
Effects of Overexposure:LEAD OVEREXPO:ANEMIA,VOMITING,HEAD,STOMACH
PAIN(LEAD COLIC),DIZZ,LOSS OF APPETITE,MUSCLE & JOINT PAIN.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

First Aid:SULFURIC ACID PRECAUTIONS:SKIN:FLUSH W/WATER.SEE PHYSICIAN IF

CONTACT AREA IS LARGE OR IF BLISTERS FORM.EYE:CALL PHYSICIAN IMMEDIATELY & FLUSH WITH WATER TIL PHYSICIAN ARRIVES.INGEST:CALL PHYSICIAN.IF PATIENT IS CONSCIOUS FLUSH MOUTH WITH WATER,HAVE PATIENT DRINK MILK OR SODIUM BICARBONATE SOLUTION.DONT GIVE ANYTHING TO UNCONSCIOUS PERSON.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:4 HYDROGEN

Upper Limits:74.2 H₂

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:TOXIC VAPORS MAY BE RELEASED.IN CASE OF FIRE:WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:SEALED BATTERY CAN EMIT HYDROGEN ONLY IF OVERCHARGED(FLOAT VOLTAGE>2.40VPC).TEMPERATURES OVER 300C(572F)MAY RELEASE COMBUSTIBLE GASES.

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

Spill Release Procedures:IF SULFURIC ACID SPILLED FROM BATTERY,NEUTRALIZE ACID WITH SODIUM BICARBONATE(BAKING SODA),SODIUM CARBONATE(SODA ASH),OR CALCIUM OXIDE(LIME).FOUSH AREA WITH WATER & DISCARD TO SEWAGE SYSTEM.DONT ALLOW UNNEUTRALIZED ACID INTO SEWAGE SYSTEM.

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

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

Handling and Storage Precautions:DUE TO BATTERY LOW INTERNAL RESISTANCE & HIGH POWER DENSITY,HI LEVELS OF SHORT CIRCUIT CURRENT CAN BE DEVELOPED ACROSS BATTERY TERMINALS.DONT REST TOOLS

OR CABLES ON BATTERY

Other Precautions:USE INSULATED TOOLS ONLY.FOLLOW ALL INSTALLATION INSTRUCTIONS & DIAGRAMS WHEN INSTALLING/MAINTAINING BATTERY SYSTEMS.

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

Respiratory Protection:RESPIRATOR(FOR LEAD).FOR EXPOSURE TO FIBERGLASS SEPARATOR UP TO 10F/CC USE MSA COMFOLL WITH TYPE H FILTER.ABOVE 10F/CC UP TO 50F/CC USE ULTRA-TWIN WITH TYPE H FILTER.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:RUBBER GLOVES

Eye Protection

on:SAF GOGGLES,FACE SHIELD

Other Protective Equipment:RUBBER APRON.PROTECTIVE EQPMT MUST BE WORN IF BATT IS CRACKED OR OTHERWISE DMG.RESP SHOULD BE WORN DURING RECLAIM (SUPP)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

OTH PROT EPQMT:OPERATIONS IF TLV EXCEEDED. HEALTH:IF BATT CASE IS DMG OR IF VENTS ARE TAMPERED WITH.FIBERGLASS SEPARATOR:FIBROUS GLASS IRRIT OF UPPER RESP TRACT,SKIN,EYES.

===== Physical/Chemical Properties

HCC:C1

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:NP

Vapor Density:NP

Spec Gravity:NP

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:NP

Appearance and Odor:NP

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS,STRONG BASES,MOST ORGANIC COMPOUNDS.

Stability Condition to Avoi

d:PROHIBIT SMOKING,SPARKS,ETC FROM BATTERY

CHARGING AREA.AVOID MIXING ACID W/OTHER CHEMICALS.

Hazardous Decomposition Products:SULFURIC DIOXIDE,TRIOXIDE,HYDROGEN SULFIDE,HYDROGEN.

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

Waste Disposal Methods:NEUTRALIZED ACID MAY BE FLUSHED DOWN SEWER.SPENT BATT MUST BE TREATED AS HAZ WASTE & DISPO OF ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.A COPY OF THIS MSDS MUST BE SUPPLIED TO ANY SCRAP DEALER OR SE

CONDARY LEAD SMELTER W/BATT.

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