

POWER SONIC -- SEALED MAINTENANCE FREE LEAD ACID BATTERIES -- 6140-00-432-0490

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

Product ID:SEALED MAINTENANCE FREE LEAD ACID BATTERIES

MSDS Date:10/01/1994

FSC:6140

NIIN:00-432-0490

MSDS Number: CGMGB

=== 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

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

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

=====  
n =====

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.

=====  
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 H<sub>2</sub>

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).FLOUSH 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 COMFOFF W/TYPE H FILTER.ABOVE 10F/CC UP TO 50F/CC USE ULTRA-TWIN W/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.

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