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TECHNACELL DIVISION OF POWER-SONIC -- EP6330-34 BATTERY -- 6140-01-090-6667

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

Product ID:EP6330-34 BATTERY
MSDS Date:06/05/1986
FSC:6140
NIIN:01-090-6667
MSDS Number: BPWYZ
=== Responsible Party ===
Company Name:TECHNACELL DIVISION OF POWER-SONIC
Address:1444 30TH STREET
City:SAN DIEGO
State:CA
ZIP:92154
Country:US
Info Phone Num:619-575-2275
Emergency Phone Num:6
19-575-2275
CAGE:MO895
=== Contractor Identification ===
Company Name:TECHNACELL DIVISION OF POWER-SONIC
Address:1444 30TH STREET
Box:City:SAN DIEGO
State:CA
ZIP:92154
Country:US
Phone:619-575-2275
CAGE:MO895

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

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 39.1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Nam

e:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
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:LITHARGE (LEAD MONOXIDE OR LEAD OXIDE YELLOW)
CAS:1317-36-8
RTECS #:OG1750000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3 (PB)
ACGIH TLV:0.15 MG/M3; 8990

Ingred Name:LEAD PEROXIDE (LEAD DIOXIDE)
CAS:1309-60-0
RTECS #:OG0700000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3 (PB)
ACGIH TLV:
0.15 MG/M3(PB); 9192

Ingred Name:LEAD TETROXIDE
CAS:1314-41-6
RTECS #:OG5425000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3 (PB)
ACGIH TLV:0.15 MG/M3 (PB)

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

LD50 LC50 Mixture:LD50 ORAL RAT IS 2140 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: SEVERE BURNS AND ULCERATION OF SKIN, EYES, MOUTH, THROAT,
ESOPHAGUS AND STOMACH. INFLAMMATION OF BRONCHIAL MEMBRANES. LEAD MAY CAUSE GASTROINTESTINAL DISORDERS AND CNS EFFECTS. CHRONIC: EROSION OF TEETH, INFLAMMATION OF NOSE, THROATAND BRONCHIAL TUBES. LEAD MAY CAUSE ANEMIA, DAMAGE TO KIDNEYS AND CNS.
Explanation of Carcinogenicity:LEAD IS LISTED UNDER IARC AND NTP.
Effects of Overexposure:IF CONTACTED, SEVERE BURNS AND ULCERATION OF SKIN AND EYES. IF INHALED, SEVERE RESPIRATORY IRRITATION. IF INGESTED, SEVERE BURNS AND ULCERAT

ION.
Medical Cond Aggravated by Exposure:SULFURIC ACID MAY AGGRAVATE SKIN DISEASES SUCH AS ECZEMA AND DERMATITIS. LEAD CAN AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES.

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

First Aid:EYES/SKIN: FLUSH WITH PLENTY OF WATER. SEE DOCTOR IMMEDIATELY. REMOVE CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE VOMITING.
GIVE MILK OR WATER, FOLLOWED BY
2 OUNCES OF MILK OF MAGNESIA (NO CARBONATES). SEE DOCTOR IMMEDIATELY.

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

Flash Point:NONE
Lower Limits:4.0(HYDROGN)
Upper Limits:75(HYDROGEN)
Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures:EVACUATE AREA. REMOVE ALL IGNITION SOURCES. WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SCBA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusua
l Fire/Explosion Hazard:HYDROGEN GAS MAY BE PRODUCED AND MAY EXPLODE IF IGNITED. REMOVE ALL IGNITION SOURCES. VENTILATE AREA.

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

Spill Release Procedures:WEAR APPROPIATE PROTECTIVE EQUIPMENT. DILUTE CAUTIOUSLY WITH WATER. COVER WITH SODA ASH OR QUICKLIME. SCOOP UP AND PLACE IN APPROPIATE DISPOSAL CONTAINER. FLUSH AREA WITH LARGE AMOUNTS OF WATER.
Neutralizing Agent:SODA ASH (SODIUM CARBONATE), BAKING SODA OR
Q
UICKLIME (CALCIUM OXIDE).

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE AWAY FROM FLAMES, IGNITION SOURCES, COMBUSTIBLE AND ORGANIC MATERIALS. AVOID PROLONGED OVERCHARGING. WEAR PROTECTIVE EQUIPM.
Other Precautions:DO NOT CARRY BATTERY BY TERMINALS. DO NOT DROP BATTERY, PUNCTURE OR ATTEMPT TO OPEN BATTERY CASE. KEEP TERMINALS COVERED IN PLASTIC CASE. AVOID SHORTING BATTERIES. PLACE BROKEN BATTE

RIES IN PLASTIC CO NTAINERS AND DELIVER TO BATTERY RECYCLER

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED CARTRIDGE RESPIRATOR FOR ACIDS OR FULL FACE MASK AS APPROPIATE FOR EXPOSURE OF CONCERN WHEN TLV IS EXCEEDED.
Ventilation:GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CONFINED AREAS.
Protective Gloves:RUBBER GLOVES IF CONTACT IS EXPECTED.
Eye Protection:GOGGLES IF CONTACT IS EXPECTED.
Other Protective Equipment:RUBBER APRON AND BOOTS IF CONTACT IS EXPECTED. EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
CLEAN TERMINALS WITH MILD BAKING SODA SOLUTION AND WASH WITH WATER. WHEN BRUSHING BATTERY POSTS, USE MASK APPROVED FOR LEAD DUST, SAFETY GLASSES AND GLOVES.

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

HCC:Z4
Boiling Pt:=113.9C, 237.F
Melt/Freeze Pt:=-70.C, -94.F
V
apor Pres:9.95
Vapor Density:>1
Spec Gravity:1.280
pH:ACIDIC
Evaporation Rate & Reference: