

POWER-SONIC CORP -- PS-682;BATTERY ELECTROLTYE(ACID GEL) -- 6140-01-162-0586

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

Product ID:PS-682;BATTERY ELECTROLTYE(ACID GEL)

MSDS Date:07/05/1992

FSC:6140

NIIN:01-162-0586

MSDS Number: BSHWC

=== 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

Emer

gency 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

RT

ECS #:WS5600000
Fraction by Wt: 39.1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 ORAL RAT=2140MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:CAUSES SEVERE BURNS,CORNEAL
DAMAGE LEADING,BLINDNESS.SKIN:SEVERE IRRITANT.BURNS
AND
ULCERATIONS.INHAL:MAY CAUSE SEVERE RESPIRATORY IRRITATION AT
5MG/M3.AT 12-35MG/M3,MAY CAUSE INFLAMMATION OF BRO NCHIAL
MEMBRANES.INGEST:MAY CAUSE SEVERE BURNS,ULCERATION OF
MOUTH,THROAT,ESOPHAGUS,STOMACH.KIDNEY,INTESTINAL DAMAGE.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:CHRONIC EXPOSURE MAY CAUSE INFLAMMATION OF THE
NOSE,THRAOT AND BRONCHIAL TUBES,EROSION OF TEET
H.LONG TERM EXPOSURE
MAY CAUSE CONJUNCTIVITS,FREQUENT RESPIRATORY
INFECTIONS,EMPHYSEMA,DIGESTIVE DISTURBAN CES.>5MG/M3 CAN CAUSE
COUGH,INCREASED RESPIRATORY RATE/DECREASED LUNG
CAPACITY.SKIN:BURNING SENSATION.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AND
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES:IMMEDIATELY FLUSH WITH COOL WATER WHILE HOLDING LIDS
OPENED FOR 15 MINUTES.CAUTION:DO NOT WEAR CONTACT LENSES WHEN
WORKING WITH CORROSIVE MATERIALS.GET MEDICAL ASSISTANCE.SKIN:REMOVE
CONTAMINATED CLOTHING(INCL.SHOES);FLUSH WITH COOL
WATER.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL
RESPIRATION IF NEEDED.INGEST:IF CONSCIOUS,GIVE WATER OR MILK;WASH
MOUTH;GET PROMPT MEDICAL ASSISTANCE.

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

Flash Point:NOT COMBUSTIBLE
Extinguishing Media:DRY CHEMICAL,C

ARBON DIOXIDE,WATER FOG,WATER.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL SULFURIC ACID RESISTANT CLOTHING.COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:WATER APPLIED TO THE ELECTROLYTE GENERATES HEAT AND CAUSES THE ACID TO SPATTER.

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

Spill Release Procedures:STOP LEAK(IF SAFE).EITHER ASSURE PROPER VENTILATION OR USE RESPIRATORY PROTECTION.NEUTRALIZE WITH LIME,SODA ASH,SODIUM BICARBONATE.SOAK UP WITH VERMICULITE.SCOOP INTO A SUITABLE CONTAINER FOR DISPOSAL .
Neutralizing Agent:LIME,SODA ASH,SODIUM BICARBONATE.

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

Handling and Storage Precautions:STORE IN ACOOL,DRY,WELL VENTILATED AREA,AWAY FROM INCOMPATIBLE MATERIELS.
Other Precautions:ALWAYS STORE AND HANDLE IN AREAS WITH ACCESS TO WATER.WHEN DILUTING,ALWAY POUR ELECTROLYTE(ACID) SLOWLY! INTO WATER.

=====

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.
Ventilation:USE VENTILATION WITHOUT CROSS DRAFTS.EQUIPMENT MUST BE ACID RESISTANT.

Protective Gloves:RUBBER,PLASTIC,NEOPRENE,NITRILE.

Eye Protection:SAFETY GLASSES W/SIDE SHIELD,ACID RESIST

Other Protective Equipment:ACID RESISTANT APRON,BOOTS.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET

CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

SPILL REPORTING QUANTITIES VARY BETWEEN STATES.

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

HCC:C1

Boiling Pt:B.P. Text:237F,114C

Melt/Freeze Pt:M.P/F.P Text:-94F,-70C

Vapor Pres:9.95

Vapor Density:>1 AIR=1

Spec Gravity:1.28

Evaporation Rate & Reference: