

POWER-SONIC CORP -- BATTERY ELECTROLYTE (ACID GEL) -- 6135-01-292-1071

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Product Identification
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Product ID: BATTERY ELECTROLYTE (ACID GEL)

MSDS Date: 07/05/1992

FSC: 6135

NIIN: 01-292-1071

MSDS Number: CCLZT

=== 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/FAX 415-366-3862

Emergency Phone Num: 415-364-5001

CAGE: 56309

=== Contractor Identification ===

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

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Composition/Information on Ingredients
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Ingred Name: SULFURIC ACID (SARA 302/313) (CERCLA)

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/M3/3 STEL; 9596

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====
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LD50 LC50 Mixture:NOT GIVEN

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:BATTERY NOT HAZ UNDER NORMAL

CONDITIONS TIL BROKEN.ELECTROLYTE CAUSES:SEV EYE/SKIN BURNS/CORNEA
DAMAGE/BLINDESS.SEV SKIN IRRIT/ULCERATION.BRONCHIAL
MEMBRANES/TUBES,NOSE/THRO INFLAMM.SEV BURNS/ULCERATI ON OF
MOU/THRO/ESOP

H/STOMA;KIDNEY&INTEST DAMAGE.TEETH ERROSION.CONJ/RESP

INFECT/EMPHY/DIGEST DISTUR.LEAD POISONING.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.

Effects of Overexposure:CONCENTRATION AS LOW AS 5MG/M3 CAN CAUSE
COUGH/INCREASED RESPIRATORY RATE & IMPAIRED VENTILARY CAPACITY.
STINGING OF SKIN/BURNING SENSATION CAUSED BY DROPLETS/MIST. EYE
IRRITATION OCCURS @ CONC OF 1.1 -2.

4MG/M3. TEETH MAY BECOME
DISCOLORED.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====
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First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. INH ALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET
MEDICAL ATTENTION. INGESTION: DO NOT IND
UCE VOMITING. WASH OUT
MOUTH. GIVE MILK WITH EGG WHITES OR VEGETABLE OIL. GET MEDICAL
ATTENTION.

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===== Fire Fighting Measures =====
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Flash Point:NOT COMBUSTIBLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:FOR FIRES IN AREA: DRY CHEMICAL, CARBON DIOXIDE,
WATER FOG, WATER.

Fire Fighting Procedures:WEAR NIOSH APPROVED SELF CONTAINED BREATHING
APPARATUS & FULL-COVER SULFURIC ACID RESISTANT CLOTHING.

Unusual Fire/Explosion Hazar

d:ACID REACTS VIOLENTLY W/METALS,NITRATES,
CHLORATES,CARBIDES,FULMINATES,PICRATES,& OTHER ORGANIC MATLS.
HYDROGEN GAS RESULTS FROM ACID/METAL CONTACT DIL IN WATER

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

Spill Release Procedures:VENTILATED AREA. EVACUATE AREA. WEAR PROPER
PERSONAL PROTECTIVE EQUIPMENT. ABSORB LIQUIDS FROM CELL WITH SODIUM
BICARBONATE OR SLAKED LIME.

Neutralizing Agent:LIME, SODA ASH, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE COOL,DRY,VENTILATED AREA
PROTECTED FROM SEVERE WEATHER. KEEP AWAY FROM FIRE/SPARKS/ HEAT.

Other Precautions:ELECTROLYTE WILL ATTACK SOME FORMS OF PLASTICS,
RUBBER, OR COATINGS THAT ARE NOT ACID-RESISTANT.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL CONDITIONS. WHEN
CONCENTRATIONS OF SULFURIC ACID IN AN AREA MAY EXCEED PEL, USE
NIO

SH- APPROVED, FITTED, FULL FACE RESPIRATOR WITH APPROPRIATE
FILTER OR SELF- CONTAINED BREAT HING APPARATUS.

Ventilation:USE IN WELL VENTILATED AREA W/NO CROSS DRAFTS. VENTILATION
COMPONENTS MUST BE ACID & EXPLOSION RESISTANT.

Protective Gloves:ACID RESISTANT RUBBER/PLASTIC.

Eye Protection:ACID-RESISTANT GOGGLES W/FACE SHIELD.

Other Protective Equipment:GLOVES SHOULD HAVE ELBOW-LENGTH GAUNTLET &
ROLLED-OVER CUFF. ACID-RESISTANT APRON & BOOTS. EMERGENCY EYEWASH &
SHOWER.

Work Hygie

nic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

BATTERY NOT HAZARDOUS UNDER NORMAL CONDITIONS;HOWEVER, IF BROKEN
ELECTROLYTE IS HAZARDOUS. THIS ENTRY FOR BATTERY ELECTROLYTE (ACID
GEL).

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

HCC:C1

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

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:9.95

Vapor

Density:>1

Spec Gravity:1.280

pH:< 7

Evaporation Rate & Reference: