

GS BATTERY INC. -- SEALED MAINTENANCE FREE BATTERIES,PE 6 V 1-F 1 -- 6140-01-111-6379

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

Product ID:SEALED MAINTENANCE FREE BATTERIES,PE 6 V 1-F 1

MSDS Date:11/01/1993

FSC:6140

NIIN:01-111-6379

MSDS Number: CFYFS

=== Responsible Party ===

Company Name:GS BATTERY INC.

Address:17253 CHESTNUT STREET

City:CITY OF INDUSTRY

State:CA

ZIP:91748-1004

Country:US

Info Phone N

um:818-964-8348

Emergency Phone Num:818-964-8348

Preparer's Name:YOZO YOSHLDA

CAGE:MO948

=== Contractor Identification ===

Company Name:G S BATTERY (USA) INC

Address:17253 CHESNUT STREET

Box:City:ROWLAND HEIGHTS

State:CA

ZIP:91748

Country:US

Phone:818-964-8348

CAGE:0SA04

Company Name:GS BATTERY INC.

Address:17253 CHESTNUT STREET

Box:City:CITY OF INDUSTRY

State:CA

ZIP:91748-1004

Country:US

Phone:818-964-8348

CAGE:MO948

Company Name:PLAINVIEW BATTERIES INC

Address:23 NEWTOWN RD

Box:City:PLAINVIEW

State:NY  
ZIP:11803  
Country:US  
Phone:516-249-2873  
CAGE:0LEJ1

=====  
Composition/Information on Ingredients  
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Ingred Name:LEAD (SARA 313) (CERCLA); TOTAL PERCENTAGE OF INGREDIENTS

1, 2 AND 3: 70

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: SEE ING

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:LEAD OXIDES

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:LEAD S

ULFATE (SARA 313) (CERCLA)

CAS:15739-80-7

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1025

ACGIH TLV:0.15 MG(PB)/M3; 9596

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

=====  
Hazards Identification  
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LD50 LC

50 Mixture:NOT RELEVANT

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LUNG, GI TRACT. ACUTE- LEAD MAY CAUSE GI UPSET & FATIGUE. ACID CAN CAUSE EYE, SKIN SEVERE IRRITATION, BURNS, CORNEAL & LUNG DAMAGE. INGESTION MAY CAUSE BURNS. CHRONIC- LEAD MAY EFFECT KIDNEYS, CNS, REPRODUCTIVEORGANS. ACID CAN CAUSE BRONCHITIS, EROSION OF TOOTH ENAMEL.

Explanation o

f Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:SEVERE IRRITATION, ANEMIA, ABDOMINAL PAIN, NAUSEA, VOMITING, CONSTIPATION, HEADACHE, FATIGUE, LOSS OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES, BURNS, PAIN

Medical Cond Aggravated by Exposure:LEAD AND ITS COMPONENTS CAN AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES. ACID MAY AGGRAVATE SKIN DISORDERS.

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

First Aid:GET IMM

EDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE.

EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH & DRINK MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION.

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

Flash Point:NON

-FLAMMABLE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL EXTERIOR OF BATTERIES.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. CORROSIVE ACID MIST MAY BE PRESENT.

Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUMES, VAPORS AND/OR DUST THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS. HYDROGEN GAS, IF PRESENT, MAY CA

USE FIRE OR EXPLOSION.

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

Spill Release Procedures:WEAR ACID-RESISTANT CLOTHING, GLOVES.  
CAREFULLY NEUTRALIZE SPILL WITH SODA ASH, SODIUM BICARBONATE, LIME.  
DISCHARGE TO SEWER WITH LARGE AMOUNT OF WATER, IF ALLOWED.  
Neutralizing Agent:SODA ASH, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY,  
VENTILATED AREAS, UNDER  
THE ROOF. KEEP AWAY FROM SPARKS, FIRE AND  
INCOMPATIBLES.  
Other Precautions:WASH HANDS BEFORE EATING OR DRINKING. KEEP OUT OF  
REACH OF CHILDREN. AVOID THE USE OF UNINSULATED TOOLS. DO NOT MAKE  
A CONNECTION BETWEEN THE TWO BATTERY TERMINALS AS SEVERE SPARKING  
MAY OCCUR WHICH COULD RESULT IN AN EXPLOSION.

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

Respiratory Protection:NONE REQUIRED. FOR DUST, FUME OR MIST, WEAR  
NIOSH-APPROVED RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.  
FOR ACID MIST, WEAR NIOSH-APPROVED ACID MIST RESPIRATOR.  
Ventilation:ADEQUATE  
Protective Gloves:RUBBER WHEN HANDLING BROKEN BATTERIES  
Eye Protection:GOGGLES WHEN HANDLING BROKEN BATTERIES  
Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.  
Supplemental Safety and Health

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

HCC:Z4  
NRC/S  
State Lic Num:NOT RELEVANT  
Decomp Temp:Decomp Text:NOT KNOWN  
Spec Gravity:1.3 (ACID)  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:NOT RELEVANT  
Solubility in Water:NOT RELEVANT  
Appearance and Odor:PRODUCT IS A SEALED BATTERY.

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

Stability Indicator/Materials to Avoid:YES  
REACTIVE METALS, STRONG ALKALIS, MOST ORGANIC COMPOUNDS  
Stability Condition to Avoid:PROLONGED OVERCHARGING, SOURCES OF  
IGNITION, SHORTING  
Hazardous

Decomposition Products: TOXIC LEAD FUMES, LEAD OXIDE,  
HYDROGEN, SULFUR DIOXIDE, SULFUR TRIOXIDE, HYDROGEN SULFIDE

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. MATERIAL SHOULD BE RECYCLED AT A SECONDARY  
LEAD SMELTER. RECYCLING IS RECOMMENDED.

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