

N/P -- SEALED MAINTENANCE FREE BATTERIES,501379 -- 6140-01-345-4297

Product ID:SEALED MAINTENANCE FREE BATTERIES,501379

MSDS Date:01/01/1987

FSC:6140

NIIN:01-345-4297

MSDS Number: CGDYK

=== Responsible Party ===

CAGE:0SA04

=== 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

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

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 SULFATE (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 =====

LD50 LC50 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- LE AD MAY EFFECT KIDNEYS, CNS,
REPRODUCTIVE ORGANS. ACID CAN CAUSE BRONCHITIS, EROSION OF TOOTH
ENAMEL.
Explanation of Carcinogenicity:CONTAINS LEAD.
Effects of Overexposure:SEVERE IRRITATION, ANEMIA, ABD
OMINAL 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.

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

First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE.
EYES/SKIN:IMMEDIATELY FLUSH WITH WAT

ER 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.

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

Flash Point:NON-FLAMMABLE

===== 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 EA
TING 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

HCC PER TECHNICAL SUPPORT.

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

Viscosity:NOT RELEVANT

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

=====

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.

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.