

COMMERCIAL BATTERY -- LEAD/ACID BATTERY DOT UN2794 -- 6140-01-133-3652

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

Product ID:LEAD/ACID BATTERY DOT UN2794

MSDS Date:01/01/1991

FSC:6140

NIIN:01-133-3652

MSDS Number: BWLGH

=== Responsible Party ===

Company Name:COMMERCIAL BATTERY

Address:1424 S 30TH ST SUITE C

City:SAN DIEGO

State:CA

ZIP:92154

Country:US

Info Phone Num:619-424-5945

Emergency Phone Num:800-4

24-9300(CHEMTREC)

Preparer's Name:DR. B. VARMA

CAGE:0XGM7

=== Contractor Identification ===

Company Name:COMMERCIAL BATTERY

Address:6930 CAMINO MAQUILADORA STEK & L

Box:City:SAN DIEGO

State:CA

ZIP:92154

Country:US

Phone:619-424-5945

CAGE:0XGM7

Company Name:COMMERCIAL BATTERY CO

Address:1901 RICKETY LN SUITE 213

Box:8237

City:TYLER

State:TX

ZIP:75711

Country:US

Phone:903-581-2136

CAGE:0S4F6

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

Ingred Name:LEAD (SARA III) (GRID S)

PONGE LEAD)
CAS:7439-92-1
RTECS #:OF7525000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15 MG/M3,DUST;9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE (LEAD DIOXIDE, LEAD PEROXIDE)
CAS:1309-60-0
RTECS #:OG0700000
Other REC Limits:NONE RECOMMENDED

Ingred Name:LEAD SULFATE (SARA III) (ANGLISITE)
CAS:7446-14-2
RTECS #:OG4375000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15 MG(PB)/M3; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:SULFURIC ACID (SARA III) (BATTERY ACID) (10-30%)
CAS:7664-93-9
RTECS #:WS5600000
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 =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INHAL:ACID SPILLAGE FROM BATT IN
CONFINED AREAS MAY LEAD TO OVEREXPO FRO
M INHAL OF SULFURIC ACID
MIST.SKIN:IRRIT CONTACT DERM FROM SULFURIC ACID.SKIN:SKIN
ABSORPTION NOT SIGNIFICANT ROUTE OF ENTRY.EYE :SULFURIC ACID
MIST/LIQ CAN IRRIT.INGEST:LEAD/LEAD CMPNTS FROM HANDS CONTAMIN BY
CONTACT IF NOT WASHED PRIOR TO EAT/SMOK
Explanation of Carcinogenicity:PER MSDS:MATL/COMPNTS TESTED FOR ABILITY
TO CAUSE CANCER.SHOWED INSUFFI EVIEDENCE TO SHOW LEAD CAN/CAN'T
CAUSE CANCER.
Effects of Overexposure:GASTROINTESTINAL UPSET:LOSS OF APPETITE,
DIARRHE

A &/OR CONSTIPATION W/CRAMPING,DIFFICULTY IN SLEEPING,FATIGUE.
IRRITATION OF SKIN,CORNEAL DAMAGE,MUCOUS MEMBRANES OF EYES & UPPER RESPIRATORY (PLUS LUNGS)IRRITATION. ANEMIA,DAMAGE TO KIDNEYS/CNS,REPORTED SYSTEMIC DAMAGE,AFFECT FETUSES,SCARRING OF CORNEA,CHRONIC BRONCHITIS,EROSION OF TOOTH ENAMEL.

Medical Conditions Aggravated by Exposure:INORGANIC LEAD & ITS COMPOUNDS CAN AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER, & NEUROLOGICAL DISEASES. CONTACT TO SULFURIC ACID W/SKIN MAY AGGRAVATE SKIN DISEASES SUCH AS ECZEMA & CONTACT DERMATITIS.

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

First Aid:INHALATION:REMOVE FROM EXPOSURE. CONSULT PHYSICIAN IF ANY OF ACUTE EFFECTS DEVELOP.SKIN:WASH THOROUGHLY W/SOAP & WATER. REMOVE CONTAMINATED CLOTH/SHOES. EYES:IMMEDIATELY RINSE W/COOL RUNNING WATER FOR @LEAST 15MINUTES . SEEK MEDICAL ATTENTION. INGESTION:LEAD/LEAD COMPOUNDS CONSULT PHYSICIAN. SULFURIC ACID:DONOT INDUCE VOMITING. REFER TO PHYSICIAN IMMEDIATELY.

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

Extinguishing Media:DRY CHEMICAL, FOAM, OR CO₂.
Fire Fighting Procedures:USE POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:HYDROGEN & OXYGEN GASES PRODUCED IN CELLS DURING NORMAL BATTERY OPERATION.THESE GASES ENTER AIR THROUGH VENT CAPS.AVOID CHANCE OF FIRE/EXPLOSION-KEEP SPARKS/IGNITION SOURCES AWAY.

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

Spill Release Procedures:REMOVE COMBUSTIBLE MATERIAL & IGNITION SOURCES.CONTAIN/DILUTE W/SODA ASH (SODIUM CARBONATE)OR QUICKLIME(CALCIUM OXIDE).COVER SPILL W/EITHER CHEMICAL.MIX WELL.MAKE CERTAIN MIXTURE IS NEUTRAL THEN COLLECT RESIDUE.PLACE IN DRUM/OTHER SUITABLE CONTAINER.DISPOSE AS HAZARDOUS WASTE.
Neutralizing Agent:SODA ASH (SODIUM CARBONATE) OR QUICKLIME (CALCIUM OXIDE).

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

Handling and Storage Precautions:STORE LEAD/ACID BATTERIES WITH ADEQUATE VENTILATION.MAKE CERTAIN VENT CAPS ARE ON TIGHTLY.AVOID CONTACT

W/INTERNAL COMPONENTS OF BATTERIES.

Other Precautions:PLACE MIN OF 2 LAYERS OF CORRUGATED CARDBOARD BETWEEN LAYERS OF BATT.WHEN STACKING IN TRAILER STACK NO MORE THAN 3 LAYERS HIGH.USE BATT CARRIER TO LIFT BATT OR PLACE HANDS @ OPP CORNERS TO AVOID SPILL ING ACID THRU THE VENTS.

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

Respiratory Protection:NONE REQUIRED.

Ventilation:NONE SPECIFIED BY MFG. HOWEVER USE ADEQUATE VENTILATION.

Protective Gloves:VINYL COATED

,PVC,GAUNTLET TYP W/ROUGH FI

Eye Protection:CHEM SPLASH GOGG OR FACESHIELD W/SAF GLA

Other Protective Equipment:SAF SHOES WORN W/RUB/NEOPRENE BOOTS OR STEEL-TOES RUB/NEOPRENE BOOTS WORN OVER SOCKS.EYEWASH FOUNTAIN,SAF SHOWER.

Work Hygienic Practices:CLEAN CONTAMIN CLOTH;DISCARD CONTAMIN SHOES-ACID CANNOT BE REMOVE FROM LEATHER.

Supplemental Safety and Health

DESCRIPTION:AN OBJECT CONSISTING OF TRANSPARENT TO OPAQUE CASE & SEALED COVER FITTED W/SIDE OR TOP TERMINALS & VENT CAPS.

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

HCC:C3

Appearance and Odor:MATERIAL IS AN OBJECT. SEE SUPPLEMENTAL FOR DESCRIPTION. IT IS ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

K,S,P,CARBIDES,SULFIDES,PEROXIDES.COMB MATLS,STRG RED AGENTS,MOST METALS,ORG MATL,CHLORATES,NITRATES,PICRATES,FULMINATES

Stability Condition to Avoid:SPARKS AND OTHER SOURCES OF IGNITION.

Hazardous Decompositi

on Products:OXIDES OF LEAD & SULFUR. HYDROGEN, SULFUR DIOXIDED, SULFUR TRIOXIDE.

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

Waste Disposal Methods:DO NOT RELEASE UNNEUTRALIZED ACID.SULFURIC

ACID:NEUTRALIZE.DO NOT FLUSH LEAD CONTAMINATED ACID TO

SEWER.BATTERIES:SEND TO LEAD SMETTER FOR RECLAMATIN FOLLOWING APPLICABLE LOCAL, STATE AND FEDERAL REGU LATIONS.

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