

OPTIMA BATTERIES INC -- SEALED LEAD ACID BATTERY -- 6140-01-374-2243

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Product Identification
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Product ID:SEALED LEAD ACID BATTERY

MSDS Date:06/29/1994

FSC:6140

NIIN:01-374-2243

MSDS Number: BRPHV

=== Responsible Party ===

Company Name:OPTIMA BATTERIES INC

Address:5 E MISSISSIPPI AVE

City:DENVER

State:CO

ZIP:80210

Country:US

Info Phone Num:303-744-5360

Emergency Phone Num:303-744-5360

CA

GE:0UJ55

=== Contractor Identification ===

Company Name:A-TO-Z SALES

Address:5630 HOUSTON RD

Box:City:MACON

State:GA

ZIP:31206-5712

Country:US

Phone:912-784-3990

CAGE:0JTC6

Company Name:BATTERIES INC/AFFIL OF AUTOMOTIVE NORTHE

Box:UNKNOW

CAGE:0V9P9

Company Name:OPTIMA BATTERIES INC

Address:17500 E 22ND AVENUE

Box:City:AURORA

State:CO

ZIP:80011

Country:US

Phone:303-448-8899 OR 800-292-4359

CAGE:0UJ55

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Composition/Information on Ingredients
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Ingred Name:LEAD (SARA III

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CAS:7439-92-1
RTECS #:OF7525000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:LEAD TETROXIDE
CAS:1314-41-6
RTECS #:OG5425000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3 (PB)
ACGIH TLV:0.15 MG/M3 (PB)

Ingred Name:LEAD MONOXIDE
CAS:1317-36-8
RTECS #:OG1750000
Other REC Limits:.05 UG/M3

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Other REC Limits:NONE RECOMMENDED
OSH
A PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ITEM IS AN
ARTICLE(REF.29CFR1910.1200(C)). HAZARD IS FOR ACID RELEASED FROM
RUPTURED BATTERY. ACID MAY CAUSE IRRITATION AND BURNS TO SKIN, EYES
AND OTHER TISSUE. VAPORS MAY CAUSE RESPIRATORY IRR
ITATIO N.
Explanation of Carcinogenicity:ITEM CONTAINS LEAD,WHICH IS A KNOWN
CARCINOGEN.
Effects of Overexposure:SULFURIC ACID IS CORROSIVE;MAY CAUSE
IRRITATION,BURNS.LEAD EXPOSURE MAY CAUSE LOSS OF
APPETITE,FATIGUE,AMENIA,KIDNEY AND CNS DAMAGE.
Medical Cond Aggravated by Exposure:CHRONIC LIVER,KIDNEY AND
NEUROLOGICAL DISEASES;ECZEMA,DERMATITIS.

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

First Aid:NO HAZARD EXPECTED IN NORMAL USE.SKIN:REMOVE CONTAMINAT

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CLOTHING;WASH WITH WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGE N OR ARTIFICIAL RESPIRATION IF NEEDED.GET MEDICAL ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.

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

Flash Point:NONE

Lower Limits:4 (H*2)

Upper Limits:74 (H*2)

Extinguishing Media:MULTIPURPOSE DRY CHEMICAL,MULTIPURPOSE CARBON DIOXIDE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:EXPLOSION HAZARD;HYDROGEN GAS IS PRODUCED.

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

Spill Release Procedures:USE PROPER PROTECTIVE EQUIPMENT;AVOID CONTACT WITH THE ACID.DILUTE ACID WITH 5-6 VOLUMES OF WATER;USE SODA ASH,BAKING SODA OR LIME TO NEUTRALIZE.SOAK UP WITH AN INERT ABSORBANT;PLACE IN A PROPER CONTAINER FOR DISPOSAL.CLEAN SPILL AREA.

Neutralizing Agent:SODA ASH,BAKING SODA,LIME.

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

Handling and Storage Precautions:STORE IN A COOL,DRY PLACE,AWAY FROM REACTIVE MATERIELS,OPEN FLAMES,SOURCES OF IGNITION.AVOID OVERCHARGING.

Other Precautions:NEUTRALIZING AGENTS SHOULD BE KEPT IN THE SAME GENERAL AREA FOR EMERGENCY USE.WASH HANDS AFTER HANDLING TERMINALS TO AVOID INGESTION OF LEAD.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:LOCAL EXHAUST IS PREFERRED WHEN PEL IS EXCEEDED.MAINTAIN ADEQUATE VENTILATION.

Protective Gloves:ACID RESISTANT (FOR SPILL)

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:FOR SPILLS,USE ACID RESISTANT APRON,BOOTS AND CLOTHING.

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

RE REUSE.KEEP FOOD OUT OF THE WORK
AREA.

Supplemental Safety and Health

ITEM IS AN ARTICLE. NOT REGULATED FOR TRANSPORTATION.

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

HCC:N1

Solubility in Water:COMPLETE(ELECTROLYTE

Appearance and Odor:SEALED LEAD-ACID BATTERY

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:AVOID DAMAGE TO THE CASE,SHORTING,HIGH
HEAT,SOURCES OF
IGNITION.

Hazardous Decomposition Products:SULFUR TRIOXIDE,SULFUR
DIOXIDE,HYDROGEN GAS,OXIDES OF LEAD.

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

Waste Disposal Methods:PLACE IN AN ACID-PROOF CONTAINER.TURN IN FOR
RECYCLING.DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL
REGULATIONS.DO NOT FLUSH LEAD CONTAMINATED ACID TO A SEWER.

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