

OPTIMA BATTERIES INC -- 800U, SEALED LEAD ACID BATTERY -- 6140-01-374-2243

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Product Identification
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Product ID:800U, SEALED LEAD ACID BATTERY

MSDS Date:02/25/2000

FSC:6140

NIIN:01-374-2243

MSDS Number: CKPFK

=== Responsible Party ===

Company Name:OPTIMA BATTERIES INC

Address:17500 E 22ND AVENUE

City:AURORA

State:CO

ZIP:80011

Country:US

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

Emergen

cy Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:OBI-0001 E-MIL

Chemtrec Ind/Phone:(800)424-9300

CAGE:0UJ55

=== Contractor Identification ===

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

Contract Num:SP0430-00-D-0412

CAGE:0UJ55

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Composition/Information on Ingredients
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Ingred Name:LEAD COMPOUNDS

CAS:7439-92-1

RTECS #:OF7525000

Minumum % Wt:63.

Maxumum % Wt:81.

ACGI

H TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID ELECTROLYTE
CAS:7664-93-9
RTECS #:WS5600000
Minumum % Wt:17.
Maxumum % Wt:25.
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
ACGIH STEL:3 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POLYPROPYLENE CASE MATERIAL
CAS:9003-07-0
RTECS #:UD1842000
Minumum % Wt:2.
Maxumum % Wt:6.

Ingred Name:SEPARATOR/PASTER PAPER FIBROUS GLASS
CAS:65997-17-3
Code:F
Minumum % Wt:1.
Maxumum % Wt:4.

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Hazards Identification
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LD50 LC50 Mixture:NONE STATED BY MANUFACTURER
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NONE EXPECTED FOR FINISHED PRODUCT
UNDER NORMAL CONDITIONS OF USE. HOWEVER, DO NOT PUNCTURE OR OPEN
BATTERY CASE. ACID ELECTROLYTE MAY BE RELEASED. USE ONLY STANDARD
CHARGING METHODS. IF OVERCHARGED, BATTERY MAY RELEASE GASES
(HYDROGEN AND OXYGEN).

Explanation of Carcinogenicity:NOT APPLICABLE FOR FINISHED PRODUCT
UNDER NORMAL CONDITIONS OF USE.

Effects of Overexposure:NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL
CONDITIONS OF USE.

Medical Cond Aggravated by Exposure:NONE EXPECTED FOR FINISHED PRODUCT
UNDER NORMAL CONDITIONS OF USE.

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First Aid Measures
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First Aid:NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF
USE. INHALED-IF ACID VAPOR RELEAED, REMOVE PERSON TO FRESH AIR. I

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BREATHING DIFFICULT, OXYGEN MAY BE ADMINISTERED. IF BREATHING STOPPED, ARTIFICIAL RESPIRATION MAY BE STARTED. SEEK MEDICAL ATTENTION. EYES-IF ACID ENTERES EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK PROMPT MEDICAL ATTENTION IF IRRITATION DEVELOPS. SKIN-IF ACID CONTACTS SKIN, FLUSH WITH MILD SOAP & WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. INGESTED-IF ANY MATERIALS INGESTED, SEEK PROMPT MEDICAL ATTENTION.

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

Extinguishing Media: MULTIPURPOSE DRY CHEMICAL OR MULTIPURPOSE CARBON DIOXIDE (CO₂).

Fire Fighting Procedures: EVACUATE AREA. SELF-CONTAINED BREATHING APPARATUS MUST BE WORN TO PREVENT POSSIBLE INHALATION OF ACID MISTS, SMOKE AND DECOMPOSITION PRODUCTS IN A FIRE. REMOVE ALL IGNITION SOURCES. COOL BATTERY (S) TO PREVENT RUPTURE.

Unusual Fire/Explosion Hazard: HYDROGEN GAS MAY BE PRODUCED AND MAY EXPLODE IF IGNITED. REMOVE ALL IGNITION SOURCES. VENTILATE AREA.

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

Spill Release Procedures: AVOID CONTACT WITH ACID MATERIALS. USE SODA ASH, BAKING SODA OR LIME TO NEUTRALIZE ACID IF RELEASED.

Neutralizing Agent: SODA ASH, BAKING SODA, LIME.

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

Handling and Storage Precautions: DO NOT CARRY BATTERY BY TERMINALS. DO NOT DROP BATTERY, PUNCTURE OR ATTEMPT TO OPEN BATTERY CASE. KEEP AWAY FROM FLAMES DURING AND IMMEDIATELY AFTER CHARGE. AVOID

PROLONGED OVERCHARGES IN CONFINED AREAS. STORE AT AMBIENT ROOM TEMPERATURE. DO NOT SUBJECT PRODUCT TO OPEN FLAME OR FIRE.

Other Precautions: AVOID CONDITIONS WHICH COULD CAUSE ARCING BETWEEN BATTERY TERMINALS. WASH HANDS THOROUGHLY BEFORE EATING OR SMOKING AFTER HANDLING BATTERIES.

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

Respiratory Protection: NOT NECESSARY UNDER NORMAL CONDITIONS OF USE FOR FINISHED PRODUCT.

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ntilation:NOT NECESSARY UNDER NORMAL CONDITIONS OF USE FOR FINISHED PRODUCT.

Protective Gloves:NOT NECESSARY UNDER NORMAL CONDITIONS OF USE FOR FINISHED PRODUCT.

Eye Protection:NOT NECESSARY UNDER NORMAL CONDITIONS OF USE FOR FINISHED PRODUCT.

Other Protective Equipment:NOT NECESSARY UNDER NORMAL CONDITIONS OF USE FOR FINISHED PRODUCT.

Work Hygienic Practices:NOT NECESSARY UNDER NORMAL CONDITIONS OF USE FOR FINISHED PRODUCT.

Supplemental Safety and Health

THE SEALED LEAD ACID

BATTERY IS NOT CONSIDERED FLAMMABLE, BUT WILL BURN

IF INVOLVED IN A FIRE. SHORT CIRCUIT CAN ALSO RESULT IN FIRE.

EVACUATE AREA. SELF-CONTAINED BREATHING APPARATUS MUST BE WORN TO PREVENT INHALATION OF ACID MISTS, SMOKE & DECOMPOSITION PRODUCTS IN A FIRE. REMOVE ALL IGNITION SOURCES.

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

HCC:Z4

Appearance and Odor:SEALED LEAD ACID BATTERY.

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

Stab

ility Indicator/Materials to Avoid:YES

NONE STATED BY MANUFACTURER.

Stability Condition to Avoid:AVOID SHORTING, USE ONLY APPROVED CHARGING METHODS. DO NOT PUNCTURE BATTERY CASE.

Hazardous Decomposition Products:NONE STATED BY MANUFACTURER.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:THREASHOLD LIMIT VALUE: NONE APPLICABLE FOR FINISHED PRODUCT. ROUTE OF ENTRY: NONE APPLICABLE FOR FINISHE

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PRODUCT UNDER NORMAL CONDITIONS OF USE. SIGNS OF SYMPTOMS OF ACUTE EXPOSURE: NONE EXPECTED FO R FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE. CHRONIC EXPOSURE: NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE. EFFECTS OF OVEREXPOSURE, CONDITIONS TO AVOID: NO EXPOSURE EXPEC TED FOR FINISHED PRODUCT.HOWEVER, DO NOT PUNCTURE OR OPEN BATTERY CASE. ACID ELECTROLYTE MAY BE RELEASED.

===== Ecological Information =====

Ecological:NONE STATED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. SEND TO A LEAD RECYCLING FACILITY WHICH FOLLOWS APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS FOR ROUTINE DISPOSAL OF SPENT OR DAMAGED BATTERIES. THE DISTRIBUTOR/USER IS RESPONSIBLE FOR ROUTINE DISPOSITION OF SPENT OR DAMAGED BATTERIES.

===== MSDS Transport Information =====

Transport Information:49CFR 173.159 (D): A NON-SPILLABLE WET ELECTRIC STORAGE BATTERY IS EXCEPTED FROM ALL OTHER REQUIREMENTS OF THIS SUBCHAPTER IF: 1.THE BATTERY IS PROTECTED AGAINST SHORT CIRCUIT; 2. FOR BATTERIES MANUFACTURED AFTER SEPTEMBER 30,1995, THE BATTERY AND THE OUTER PACKAGING MUST BE PLAINLY AND DURABLY MARKED "NONSPILLABLE" OR "NONSPILLABLE BATTERY". 3. THE BATTERY MUST BE CAPABLE OF WITHSTANDING THE FOLLOWING TWO TESTS WITHOUT LEAKAGE OF BATTERY FLUID FROM THE BATTERY: (I) VIBRATION TEST; (II) PRESSURE DIFFERENTIAL TEST. PER MFR THESE BATTERIES CONFORM TO THE ABOVE REGULATIONS & IATA SPEC PROV A67 AND ARE, THEREFORE, NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:NONE STATED BY MANUFACTURER.
Federal Regulatory Information:ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD, SEALED LEAD ACID BATTERY IN ITS MANUFACTURED AND SUPPLIED STATE IS CONSIDERED NON-HAZARDOUS.
State Regulatory Information:NONE STATED BY MANUFACTURER.

===== Other Information =====

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