

OPTIMA BATTERIES INC -- SEALED LEAD ACID BATTERY

=====
MSDS Safety Information
=====

FSC: 6140
NIIN: 01-440-4837
MSDS Date: 12/15/2000
MSDS Num: CLHCC
Product ID: SEALED LEAD ACID BATTERY
MFN: 01
Article: Y
Responsible Party
Cage: 0UJ55
Name: OPTIMA BATTERIES INC
Address: 17500 E 22ND AVENUE
City: AUROR
A CO 80011
Info Phone Number: 303-340-7400
Emergency Phone Number: 800-434-9300
Resp. Party Other MSDS No.: OBI-0001G
Chemtrec IND/Phone: (800)424-9300
Published: Y

=====
Contractor Summary
=====

Cage: 0UJ55
Name: OPTIMA BATTERIES INC
Address: 17500 E 22ND AVENUE
City: AURORA CO 80011
Phone: 303-448-8899 OR 800-292-4359

=====
Item Description Info
rmination
=====

Item Manager: S9G
Item Name: BATTERY,STORAGE
Unit of Issue: EA

=====
Regulated Components
=====

Regulated Component Name: SULFURIC ACID ELECTROLYTE
CAS: 7664-93-9
Percent Text: 17-25%
Regulated Component Name: CASE MATERIAL POLYPROPYLENE
CAS: 9003-07-0
Percent Text: 2-6%
Regulated Component Name: SEPERATOR/PASTER PAPER FIBROUS GLASS

CAS: 65997-17-3
Percent Text: 1-4%
Regulated Component Name: LEAD COMPOUNDS
CAS: 7439-92-1
Percent Text: 63-81%

=====
Health Hazards Data
=====

Carcinogenicity Inds - NTP: NO
IARC: NO

Effects of Exposure: POTENTIAL HEALTH EFFECTS: NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE. CHRONIC EXPOSURE: NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE.

Explanation

Of Carcinogenicity: FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE.

Signs And Symptoms Of Overexposure: SIGNS AND SYMPTOMS OF ACUTE EXPOSURE: NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE. EFFECTS OF OVEREXPOSURE: NO EXPOSURE EXPECTED FOR FINISHED PRODUCT. HOWEVER, DO NOT PUNCTURE OR OPEN BATTERY CASE. ACID ELECTROLYTE MAY BE RELEASED. USE ONLY STANDARD CHARGING METHODS. IF OVERCHARGED, BATTERY MAY RELEASE GASES

HYDOGEN
AND OXYGEN).

Medical Cond Aggravate

d By Exposure: NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE.

First Aid: INHALATION-NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE. HOWEVER, IF ACID VAPOR IS RELEASED DUE TO OVERCHARGING/ABUSE OF THE BATTERY, REMOVE EXPOSED PERSON TO FRESH AIR. IF BREATHING IS DIF FICULT, OXYGEN MAY BE GIVEN. IF BREATHING HAS STOPPED, ARTIFICIAL RESPIRATION SHOULD BE STARTED IMMEDIATELY. SEEK MEDICAL AID. EYES-EXPOSURE NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF U

SE. HO WEVER, IF ACID FROM BROKEN BATTERY CASE ENTERS EYES, FLUSH WITH WATER FOR 15 MINS. IF IRRITATION DEVELOPS, SEEK PROMPT MEDICAL AID. SKIN-EXPOSURE NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF US E. INGESTION-SEEK PROMPT MEDICAL AID.

=====
Handling and Disposal
=====

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

D IF RELEASED.

Neutralizing Agent: USE SODA ASH, BAKING SODA OR LIME.

Waste Disposal Methods: SEND TO A LEAD RECYCLING FACILITY THAT FOLLOWS APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS FOR ROUTINE DISPOSITION OF SPENT OR DAMAGED BATTERIES. THE DISTRIBUTOR/USER IS RESPONSIBLE TO KNOW THAT "SP ENT" &/OR "DAMAGED" BATTEIES ARE DISPOSED OF IN AN ENVIRONMENTALLY SOUND WAY IN ACCORDANCE WITH FEDE RAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS.

Handling And Storage Precautions: HA

NDLING: 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 CO NFINED AREAS.

Other Precautions: STORAGE: STORE AT AMBIENT ROOM TEMPERATURE. DO NOT SUBJECT PRODUCT TO OPEN FLAME OR FIRE. AVOID CONDITION WHICH COULD CAUSE ARCING BETWEEN BATTERY TERMINALS> HYGIENE: WASH HANDS THOROUGHLY BEFORE EATI NG OR SMOKING AFTER HANDLING BATTERIES.

=====

=====

Fire and Explosion Hazard Information

=====

Extinguishing Media: MULTIPURPOSE DRY CHEMICAL OR MULTIPURPOSE 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 GA S MAY BE PRODUCED AND MAY EXPLODE IF IGNITED. REMOVE ALL IGNITION SOURCES. VENTILATE AREA.

=====

Control Measures

=====

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

Ventilation: NOT NECESSARY UNDER NORMAL CONDITONS OF USE FOR FINISHED PRODUCT.

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

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

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

Supplemental Safety and Health: OPTIMA BATTERIES ARE 100% RECYCLABLE BY ANY LICENSED RECLAMATION OPERATION.

=====

Physical/Chemical Properties

=====

HCC: Z4

=====

Reactivity Data

=====

=====
Stability Indicator: YES

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

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.
=====

Toxicological Information
=====

Ecological Information
=====

MSDS Transport Information
=====

Transport Information: DEALLED LEAD ACID BATTERY IS NOT A DOT HAZARDOUS MATERIAL.
=====

Regulatory Information
=====

Federal Regulatory Information: ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD, SE

ALLED LEAD ACID BATTERY IN ITS MANUFACTURER AND SUPPLIED STATE IS CONSIDERED NON-HAZARDOUS.

State Regulatory Information: PROPOSITION 65 WARNING (CALIFORNIA): BATTERY POSTS, TERMINALS, AND RELATED ACCESSORIES CONTAIN LEAD AND LEAD COMPOUNDS, CHEMICALS KNOWN TO THE STATE OF CLAIFORNIA TO CAUSE CANCER AND REPRODUCTIVE HARM . WASH HANDS AFTER HANDLING.
=====

Other Information
=====

Other Info

rmation: PER DOT, IATA, ICAO AND IMDG RULES AND REGULATIONS, THESE BATTERIES ARE EXEMPT FROM "UN2800" CLASSIFICATIONS AS A RESULT OF SUCCESSFUL COMPLETION OF THE FOLLOWING TESTS: 1) VIBRATION TESTS; 2) PRESSUR E DIFFERENTIAL TESTS; 3) CASE RUPTURING TESTS (NO FREE LIQUIDS). ALL BATTERIES MUST BE IDENTIFIED AS "NON-SPILLABLE" OR "NON-SPILLABLE BATTERY" ON THE BATTERY AND THE SHIPMENT PER 49CFR173.159(D)(2) A ND BATTERY TERMINALS MUST BE PROTECTED FROM SHORT CIRCUITING.
=====

=====
Transportation Information
=====

Responsible Party Cage: 0UJ55
Trans ID NO: 157974
Product ID: SEALED LEAD ACID BATTERY
MSDS Prepared Date: 12/15/2000
Review Date: 07/24/2001
MFN: 1
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: EA
=====

=====
Detail DOT Information
=====

DOT PSN Code: ZZZ
DOT Proper Shippi
ng Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

=====
Detail IMO Information
=====

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
=====

=====
Detail IATA Information
=====

IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPOR
RTATION
=====

=====
Detail AFI Information
=====

AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

=====
HAZCOM Label
=====

Product ID: SEALED LEAD ACID BATTERY
Cage: 0UJ55
Company Name: OPTIMA BATTERIES INC
Street: 17500 E 22ND AVENUE
City: AURORA CO
Zipcode: 8001

1
Health Emergency Phone: 800-434-9300
Label Required IND: Y
Date Of Label Review: 07/24/2001
Status Code: A
Origination Code: F
Eye Protection IND: NO
Skin Protection IND: NO
Signal Word: NONE
Respiratory Protection IND: NO
Health Hazard: None
Contact Hazard: None
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: EMERGENCY OVERVIEW: EXPOSURE NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE. IN ITS MANUFACTURED AND SUPPLIED STATE, THE PRODUCT IS CONSIDERED NON-HAZARDOUS. KEEP AWAY FROM FLAMES DURING AND IMMEDIATELY AFTER CHARGE. NO SIGNIFICANT HEALTH EFFECTS ARE ASSOCIATED WITH THE PRODUCT.

=====
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, states, or intends said information to have any application, use or liability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.