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OPTIMA BATTERIES INC -- D31-1400 GROUP 31 BATTERIES, SEALED LEAD ACID 6140-01-457-5469

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

Product ID:D31-1400 GROUP 31 BATTERIES, SEALED LEAD ACID

MSDS Date:12/09/1999

FSC:6140

NIIN:01-457-5469 Status Code:A

MSDS Number: CKGQD ==== Responsible Party ===

Company Name: OPTIMA BATTERIES INC

Address:17500 E 22ND AVENUE

City:AURORA State:CO ZIP:80011 Country:US

Info Ph

one Num:303-448-8899/448-8899 Emergency Phone Num:(800)424-9300 Resp. Party Other MSDS Num.:OBI-0001D

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

CAGE:0UJ55

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

Ingred Name:LEAD COMPOUNDS

CAS:7439-92-1

RTECS #:OF7525000

Minumum % Wt:63.

Maxumum % Wt:81.

AC

GIH 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.

====== Hazards Ident ification ==========

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. IN ITS MANUFACTURED AND SUPPLIED STATE, THE PRODUCT IS CONSIDERED NON-HAZARDOUS. KEEP AWAY FROM FLAMES DURING AND IMMEDIATELY AFTER C HARGE. NO SIGNIFICANT HEALTH EFFECTS ARE ASSOCIATED WITH THE PRO

DUCT

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.

First Aid:NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE. INHALED-IF ACID VAPOR RELEASED, REMO

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

Fire Fighting Procedures:BATTERY WILL BURN IF INVOLVED IN A FIRE.
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 IMMEDIATEL

Y AFTER CHARGE. AVOID

PROLONGED OVERCHARGES IN CONFINED ARE AS. 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.

Ventilation: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 OPTIMA SEALED LEAD ACID BATTE RY IS CONSIDERED AN ARTCLE AS DEFINED BY 29 CFR 1910.1200 (C) OSHA HAZCOM. THE INFORMATION ON THIS SHEET IS SUPPLIED AT THE CUSTOMER'S REQUEST FOR INFORMATION ONLY. ======== Physical/Chemical Properties ============= HCC:Z4 Appearance and Odor:SEALED LEAD ACID BATTERY. ======== Stability and Reactivity Data =========== Stability Indicator/Materials to Avoid:YES NONE STATED BY MANUFACTURER. Stability Condition to Avoid: AVOID SHORTING, USE ONLY APPROVE **D 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 FINISHED 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, WHICH IS CORROSIVE.. ========= 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.

======== N	MSDS Transp	ort Information	
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Transport Information:SEALED LEAD ACID BATTERY IS NOT A US DOT H

AZARDOUS MATERIAL. UNDER DANGEROUS GOODS REGULATIONS, 38TH EDITION, EFFECTIVE JANUARY 1, 1997, PRODUCED BY INTERNATIONAL AIR TRANSPORTATION ASSOCIATION (IATA): OPTIMA BATTERIES ARE CLASSIFIED AS NON-REGULATED BY SPECIAL PROVISIONS A-48 AND A-67 FOR UN2800. UNDER 49 CFR, MARCH 1, 1998 EDITION, OPTIMA BATTERIES ARE CLASSIFIED AS AN EXCEPTION FROM ALL OTHER R EQUIREMENTS OR CONDITIONS AS STATED IN: BATTERIES WET, 173.159 (D)(3(I)[VIBRATION TEST], & (D)(3)(II)[PRESSURE D

IFFERENTIAL TEST]. THESE CONDITIONS HAVE BEEN TESTED & CERTIFIED.

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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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