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OPTIMA BATTERIES INC -- 800S SEALED LEAD ACID BATTERY, AUTOMOTIVE BATTERY 6140-01-378-8232

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

Product ID:800S SEALED LEAD ACID BATTERY, AUTOMOTIVE BATTERY

MSDS Date:06/29/1994

FSC:6140

NIIN:01-378-8232

MSDS Number: CFKLB === Responsible Party ===

Company Name: OPTIMA BATTERIES INC

Address:5 E MISSISSIPPI AVE

City:DENVER

State:CO

ZIP:80210

Country:US

Info Phone Num:3

03-340-7400/303-744-5360

Emergency Phone Num:303-340-7400/

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 (SARA 313) (CERCLA)

CAS:7439-92-1

RTECS #:OF7525000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:SEE 1910.1025

ACGIH TLV:0.05MG/M3, A3; 9596

EPA Rpt Qty:1 L

В

DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE, (RED LEAD OXIDE) (LEAD TETRAOXIDE)

CAS:1314-41-6

RTECS #: OG5425000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:SEE 1910.1025 ACGIH TLV:0.15 MG/M3

Ingred Name: LEADY LEAD MONOXIDE

CAS:68411-78-9

Other REC Limits: NONE RECOMMENDED

Ingred Name: SULFURIC ACID (SARA 302/313) (CERCLA)

CAS:7664-93-9

RTECS #:WS5600000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3/3 STEL; 9596

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:TLV NOT ESTABLISHED FOR FINIHSED PRODUCT

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EXPOSURE NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.IN ITS MFG/SUPPLIED STATE THE PRODUCT IS CONSIDERED NON-HAZ.NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE.DONT PUNC UTURE/OPN BATT CASE.ACID ELECTROLYTE

MAY BE RELEASED.OVERCHARGED BATT MAY RELEASE GASES(HYDROGEN & OXYGEN).

Explanation of Carcinogenicity:PER MSDS:NTP/IARC/OSHA:NO. NA FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE.

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

Medical Cond Aggravated by Exposure: NONE KNOWN FOR FINSHED PRODUCT UNDER NORMAL CONDITIONS OF USE.

First Aid:INHAL:NOT EXPECTED UNDER N

Lower Limits:NP
Upper Limits:NP
Extinguishing Media:MULTIPURPOSE DYR CHEMICAL OR MULTIPURPOSE CO2.
Fire Fighting Procedures:EVACUATE AREA.SELF-CONTAINED BREATHING
APPARATUS MUST BE WORN TO PREVENT POSSIBLE INHAL OF ACID
MISTS,SMOKE,DECOMPO PRODUCTS IN FIRE.COOL BATT TO PREVENT RUPTUR
Unusual Fire/Explosion Hazard:SEALED LEAD ACID BATT NOT CONSIDERED
FLAMM BUT WILL BURN IF INVOLVED IN FIRE.REMOVE ALL IGN SOURCES.H2
GASS MAY BE PRODUCE,MAY EXPLO IF IGN.V
ENTILATE AREA.

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

Spill Release Procedures: SPILL OR LEAK CLEANUP PROCEDURES. AVOID CONTACT W/ACID MATERIALS. USE SODA ASH, BAKING SODA OR LIME TO NEUTRALIZE ACID IF RELEASED.

Neutralizing Agent: SODA ASH, BAKING SODA OR LIME.

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

Handling and Storage Precautions:KEEP AWAY FRM FLAMES DURING/IMMED AFT CHARGE.NO SIGNIF HEALTH EFFECTS ASSOC W/PROD.DONT CARRY BA TT BY

TERMINALS.DONT DROP/PUNCTURE/OPN BATT CASE.

Other Precautions:AVOID PROL OVERCHARGES IN CONFINE AREA.STORE @AMBT RM TEMP.OPTIMA SEALED LEAD ACID BATT CONSIDERED ARTICLE AS DEF BY 29CFR1910.1200(C) OSHA HAZ COMM.INFO ON THIS SHEET IS SUPPLIED AT THE CUSTOMER'S RE QUEST FOR INFO ONLY.(SUPPLEMENTAL)

====== 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 PRODUCTS. Protective Gloves: NOT NECESSARY UNDER NOR USE CONDITIONS Eye Protection: NOT NECESSARY UNDER NOR USE CONDITIONS Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER. Work Hygienic Practices: NOT NECESSARY UNDER CONDITIONS UNDER NORMAL CONDITIONS OF USE FOR FINISHED PRODUCT. Supplemental Safety and Health 1STAID:IF ACID CONTACTS SKIN FLUSH W/WATER/MILD SOAP.IRRIT DEVELOPS SEEK MED ATTN.INGEST:NOT EXPECTED DUE TO PHYS F ORM OF FINISHED PRODUCT.IF MATL INGESTED SEEK PROMPT MED ATTN. OTHER PRECAUT:DONT SUB J PRODUCT TO PN FLAME/FIRE.AVOID CONDITIONS WHICH COULD CAUSE ARCING BETWEEN BATT TERMINALS. USE ONLY STD CHARGE METHODS. ======== Physical/Chemical Properties =========== HCC:N1 Boiling Pt:B.P. Text:NA Melt/Freeze Pt:M.P/F.P Text:NA Decomp Temp:Decomp Text:NP Vapor Pres:NA Vapor Density:NA Spec Gravity:NA pH:NP Viscosity:NP Evaporation Rate & Deference: NA Solubility in Water :NA Appearance and Odor: NONE SPECIFIED BY MANUFACTURER. Percent Volatiles by Volume:NP Corrosion Rate:NP ======== Stability and Reactivity Data ========== Stability Indicator/Materials to Avoid:YES Stability Condition to Avoid: AVOID SHORTING, USE ONLY APPROVED CHARGING METHODS. DO NOT PUNCTURE BATTERY CASE. ======= Disposal Considerations ============ Waste Disposal Methods: DISPO OF IAW ALL LOC/STATE/FED/REGS.MFG/SUPPLIED

AREA PROD CONSIDERED

NON-HAZ.BATT CRUSHED IN COLLISION/SIMILAR
ACCIDENT ABSORBENT SEPARTOR MAY BE SQUEEZED CAUSING RELEASE OF
SMALL AMT OF ACID ELECTRO LYTE.NEUTRALIZE W/BAKING SODA & FLUSH
W/PLENTY H2O

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