

OPTIMA BATTERIES INC -- 34/78-1050, ENGINE STARTING BATTERIES (GROUP

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MSDS Safety Information
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FSC: 6140
NIIN: 01-374-2243
MSDS Date: 01/04/1999
MSDS Num: CLHFX
Product ID: 34/78-1050, ENGINE STARTING BATTERIES (GROUP 34)
MFN: 01
Article: Y
Responsible Party
Cage: 0UJ55
Name: OPTIMA BATTERIES INC
Address: 5 E MI
SSISSIPPI AVE
City: DENVER CO 80210
Info Phone Number: 303-744-5360
Emergency Phone Number: (800)424-9300
Resp. Party Other MSDS No.: OBI-0001 C
Chemtrec IND/Phone: (800)424-9300
Review Ind: Y
Published: Y

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

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Item Description Information
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Item Manager: S9G
Item Name: BATTERY,STORAGE
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: EA
UI Container Qty: 0
Type of Container: UNKNOWN

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Regulated Components
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Regulated Component Name: SULFURIC ACID ELECTROLYTE
CAS: 7664-93-9
Percent Text: 17-25
Regulated Com

ponent Name: CASE MATERIAL POLYPROPYLENE

CAS: 9003-07-0

Percent Text: 2-6

Regulated Component Name: SEPARATOR/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

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Health Hazards Data
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LD50 LC50 Mixture: NOT PROVIDED BY MFR

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: NONE EXPECT

ED 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. OF OVERCHARGED, BATTERY MAY RELEASE GASES (HYDROGEN AND OXYGEN).

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

Signs And Symptions Of Overexposure: NONE EXPECTED FOR FINISHED PRODUCT UNDER NORMAL CONDITIONS OF USE.

Medical Cond Aggravated By Exposure: NONE EXPE

CTED FOR FINISHED PRODUCT UNDER

NORMAL CONDITIONS OF USE.

First Aid: INHALATION: IF ACID VAPOR IS RELEASED, REMOVE EXPOSED PERSON TO FRESH AIR. ASSIST WITH BREATHING SUPPORT MEASURES AS NEEDED. SEEK MEDICAL ATTENTION. EYES: IF ACID FROM BROKEN BATTERY CASE ENTERS EYES , FLUSH WITH WATER FOR AT LEAST 15 MIN. IF IRRITATION DEVELOPS, SEEK PROMPT MEDICAL ATTENTION. SKIN: IF ACID CONTACTS SKIN, FLUSH WITH WATER AND MILD SOAP. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION. INGESTION:

SEEK PROMPT MEDICAL ATTENTION.

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Handling and Disposal
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Handling and Disposal
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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.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. SEND TO A LEAD RECYCLING FACILITY WHICH FOLLOWS APPLICA

BLE 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.

Handling And Storage Precautions: HANDLING: 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: NOT PROVIDED BY MFR

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Fire and Explosion Hazard Information
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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) T O PREVENT RUPTURE.

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

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Control Measures
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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: NO

T 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: PER MSDS THIS IS AN ARTICLE.

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Physical/Chemical Properties
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HCC: Z4

Decomp Text: NOT PROVIDED BY MFR

PH: NOT PROVIDED

Viscosity: NOT PROVIDED BY MFR

Appearance and Odor: SEALED LEAD ACID BATTERY.

Percent Volatiles by Volume: NOT PROVIDED

Corrosion Rate: NOT PROVIDED BY MFR
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: AVOID SHORTING, USE ONLY APPROVED CHARGING METHODS. DO

NOT PUNCTURE BATTERY CASE.

Materials To Avoid: NOT PROVIDED BY MFR

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.
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Toxicological Information
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Toxicological Information: THRESHOLD 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 FOR

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 EXPECTED FOR FINISHED

PRODUCT. HOWEVER, DO NOT PUNCTURE OR OPEN BATTERY CASE. ACID ELECTROLYTE MAY BE RELEASED.
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Ecological Information
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Ecological: NONE

STATED BY MANUFACTURER.
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MSDS Transport Information
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Transport Information: SEALED LEAD ACID BATTERY IS NOT A US DOT HAZARDOUS 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 UN NUMBER UN2

800. UNDER THE CODE OF FEDERAL REGULATIONS #49,
MARCH 1, 1998 EDITION, OPTIMA BATTERIES ARE CLASSIFIED AS AN EXCEPTION FROM
ALL OTHER REQUIREMENTS OR CONDITIONS AS STATED IN: BATTERIES WET, 173:159
(D)(3)(I)[VIBRATION TEST] AND (D)(3)(I)(I)[PRESSURE DIFFERENTIAL TEST].

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Regulatory Information
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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.

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Other Information
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Other Information: IN ITS MANUFACTURED AND SUPPLIED STATE, THE PRODUCT IS
CONSIDERED NON-HAZARDOUS. EXCESSIVE OVERCHARGING OR ABUSE TO THE TERMINALS
CAN
RE

SULT IN THE RELEASE OF GASES (HYDROGEN & OXYGEN). AS A GENERAL PR
ACTICE, BATTERIES SHOULD NOT BE USED IN ENCLOSED, NON-VENTILATED SPACES.
AVOID IMMERSION IN WATER AS IT MAY LEAD TO HYDROGEN GENERATION. IF THE
BATTERY IS CRUSHED IN A COLLISION OR SIMILAR ACCIDENT, THE ABSORBENT
SEPARATOR MAY BE SQUEEZED CAUSING THE RELEASE OF A SMALL AMOUNT OF ACID
ELECTROLYTE. NEUTRALIZE THE ACID ELECTROLYTE WITH BAKING SODA AND FLUSH WITH
PLENTY OF WATER.

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Transportation Information
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Responsible Party Code: 0UJ55

Trans ID NO: 158029

Product ID: 34/78-1050, ENGINE STARTING BATTERIES (GROUP 34)

MSDS Prepared Date: 01/04/1999

Review Date: 07/28/2001

MFN: 1

Multiple KIT Number: 0

Unit Of Issue: EA

Container QTY: 0

Type Of Container: UNKNOWN

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Detail DOT Information
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DOT

PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail IMO Information

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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information

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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information

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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label

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Product ID: 34/78-1050, ENGINE STARTING BATTERIES (GROUP 34)

Cage: 0UJ55

Company Name: OPTIMA BATTERIES INC

St

reet: 17500 E 22ND AVENUE

City: AURORA CO

Zipcode: 80011

Health Emergency Phone: (800)424-9300

Label Required IND: Y

Date Of Label Review: 07/28/2001

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: TARGET ORGANS: N/P. NONE EXPECTED FOR FINISHED PRODUCT
UNDER NORMAL CONDITIONS OF USE. HOWEVER, DO NOT PUNCTU

RE OR OPEN BATTERY

CASE. ACID ELECTROLYTE MAY BE RELEASED. USE ONLY STANDARD CHARGING METHODS.
OF OVERCHARGED, BATTERY MAY RELEASE GASES.

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