

RAMCAR BATTERIES INC -- LEAD ACID ELECTRICAL STORAGE BATTERY -- 6140-01-031-6878

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Product Identification
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Product ID:LEAD ACID ELECTRICAL STORAGE BATTERY

MSDS Date:05/01/1994

FSC:6140

NIIN:01-031-6878

MSDS Number: BQWFS

=== Responsible Party ===

Company Name:RAMCAR BATTERIES INC

Address:2700 CARRIER AVE

City:COMMERCE

State:CA

ZIP:90040

Country:US

Info Phone Num:213-726-1212

Emergency Ph

one Num:213-726-1212

CAGE:0W3X1

=== Contractor Identification ===

Company Name:PACIFIC-POWER-BATTERIES (206-258-4566)

Box:UNKNOW

CAGE:NO769

Company Name:RAMCAR BATTERIES INC

Address:2700 CARRIER AVE

Box:City:COMMERCE

State:CA

ZIP:90040

Country:US

Phone:213-726-1212

CAGE:0W3X1

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Composition/Information on Ingredients
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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; 9

596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingrid Name:SULFURIC ACID (SARA 302/313) (CERCLA)/ELECTROLYTE
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:LD50 (ORAL, RAT) IS NOT RELEVANT.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Haza
rds Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LUNG, GI
TRACT. ACUTE- LEAD MAY CAUSE GI UPSET, DIARRHEA, CRAMPING &
FATIGUE. SULFURIC ACID MAY CAUSE EYE, SKIN & RESPIRATORY TRACT
IRRITATION, BURNS, CORNEAL & LUNG DAMA GE. CHRONIC- LEAD MAY CAUSE
ANEMIA, KIDNEY & NERVOUS SYSTEM DAMAGE. ACID CAN CAUSE BRONCHITIS,
EROSION OF TOOTH ENAMEL.
Explanation of Carcinogenicity:CONTAINS LEAD.
Effects of Overexposure:GI UPSET, LOSS OF APPETITE, DIARRHEA,
CONSTIPATION, CRAMPING, L
ACK OF SLEEP, FATIGUE, IRRITATION, BURNS,
CORNEAL AND LUNG DAMAGE
Medical Cond Aggravated by Exposure:LEAD AND ITS COMPOUNDS CAN
AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES.
CONTACT OF SULFURIC ACID WITH SKIN MAY AGGRAVATE DISEASES SUCH AS
ECZEMA. ACID MIST AGGRAVATES LUNG DISEASE

===== First Aid Measures =====

First Aid:OBTAIN MEDICAL ATTENTION IMMEDIATELY IN ALL CASES OF
EXPOSURE. EYES/SKIN:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES.
KEEP EYELIDS OPEN. INHALATION:MOVE TO FRESH AIR. INGESTION:DO NOT
INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER OR
MILK.

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

Flash Point:NON-FLAMMABLE
Lower Limits:4.1% H2
Upper Limits:74.2% H2
Extinguishing Media:USE CARBON DIOXIDE, SAND, FOAM/DRY CHEMICAL. WATER
APPLIED TO ELECTROLYTE GENERATES HEAT AND CAUSES IT TO SPATTER.
Fire Fighting Procedures:WEAR ACID-RESISTANT CLOTHIN

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NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard: BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT. THIS COULD RESULT IN RELEASE OF CORROSIVE MATERIALS. HYDROGEN GAS, IF PRESENT, IS EXPLOSIVE/FLAMMABLE.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENTS. REMOVE COMBUSTIBLES & IGNITION SOURCES (H₂ MAY BE PRESENT). CONTAIN BY

DIKING AND COVER SPILL WITH SODA ASH OR QUICKLIME. MIX WELL. CHECK THAT MIXTURE IS NEUTRAL. COLLECT AND PLACE IN A DRUM. DO NOT FLUSH TO SEWER.

Neutralizing Agent: SODA ASH (SODIUM CARBONATE), QUICKLIME (CALCIUM OXIDE)

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

Handling and Storage Precautions: STORE NEAR EYEWASH FOUNTAIN AND SAFETY SHOWER. STORAGE AREA SHOULD BE EQUIPPED WITH A DRAIN WHICH CAPTURES SPILLS OF ACID FOR PROPER DISPOSAL.

Other Precautions: KEEP TERMINALS COVERED. AVOID SHORTING BATTERIES. DO NOT CRACK OR OVERCHARGE BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING BATTERIES. KEEP OUT OF REACH OF CHILDREN. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection: NOT REQUIRED UNDER NORMAL USE. USE NIOSH-APPROVED ACID-MIST FILTER RESPIRATOR IF 1 MG/M³ TWA IS EXCEEDED (ACID).

Ventilation: ADEQUATE

GENERAL VENTILATION. IF MECHANICAL VENTILATION IS USED, COMPONENTS MUST BE ACID-RESISTANT.

Protective Gloves: RUBBER

Eye Protection: SPLASH-PROOF CHEMICAL GOGGLES/FACESHIELD

Other Protective Equipment: RUBBER APRON AND BOOTS. EYES WASH STATION AND SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

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

HCC:Z4

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:1.24-1.275,ACID

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:BATTERY CONTAINING SULFURIC ACID AND LEAD.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, COMBUSTIBLES, ORGANIC MATERIALS

Stability Condition to Avoid:HIGH HEAT, OP

EN FLAMES, OVERCHARGING,
SMOKING, SPARKS

Hazardous Decomposition Products:LEAD OXIDE, HYDROGEN, SULFUR DIOXIDE,
SULFUR TRIOXIDE, CARBON MONOXIDE, METAL FUME, VAPOR OR DUST

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

Waste Disposal Methods:DISPOSE AS HAZARDOUS WASTE. OBSERVE FEDERAL,
STATE AND LOCAL ENVIRONMENTAL REGULATIONS FOR ACID OR LEAD SCRAP.
SEND BATTERIES TO LEAD SMELTER FOR RECLAMATION FOLLOWING APPLICABLE
FEDERAL, STATE AND LOCAL REGULATION

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