

YUASA BATTERY (AMERIACA), INC -- DM SERIES -- 6140-01-037-1357

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

Product ID:DM SERIES

MSDS Date:01/02/1991

FSC:6140

NIIN:01-037-1357

MSDS Number: BNMPK

=== Responsible Party ===

Company Name:YUASA BATTERY (AMERIACA), INC

Address:9728 ALBURTIS AVE

City:SANTA FE SPRINGS

State:CA

ZIP:90670

Country:US

Info Phone Num:213-949-4266/800-423-4667

Emergency Phone Num:213-94

9-4266/800-423-4667

CAGE:4S875

=== Contractor Identification ===

Company Name:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

CAGE:0FGN2

Company Name:CELL ENERGY INC

Address:3190-B ORANGE GROVE AVE

Box:City:NORTH HIGHLANDS

State:CA

ZIP:95660-5706

Country:US

Phone:916-484-7974

CAGE:1U269

Company Name:YUASA BATTERY (AMERIACA), INC

Address:9728 ALBURTIS AVE

Box:City:SANTA FE SPRINGS

State:CA

ZIP:90670

Country:US

Phone:213-949-4266/

800-423-4667
CAGE:4S875

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

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 32-40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2140 MG/KG (H2SO4)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRITATION OF
RESPIRATORY TRACT, EYES, SKIN OR GI TRACT. MAY CAUSE BURNS OF SKIN,
EYES, OR GI TRACT. MAY CAUSE CORNEAL DAMAGE OR BLINDNESS. CHRONIC:
TOOTH EROSION, INFLAMMATION OF NOSE, THROAT AND BRONCHIAL TUBES.
Explanation of Carcinogenicity:THE ELECTROLYTE IS NOT LISTED BY IARC,
NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHALATION: BURNING SENSATION IN NOSE, THROAT
AND LUNGS, COUGHING, WHEEZING, SHORTNESS OF BREATH. EYES: REDNESS,
TEARING, BLURRED VISION, BURNS, SEVERE PAIN. SKIN: SEVERE PAIN,
BURNS, REDNESS, RASH, ITCHING. INGESTION: BURNS OF MOUTH, THROAT,
AND ESOPHAGUS, SEVERE STOMACH PAIN, NAUSEA, VOMITING.
Medical Conditions Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT OR
TEETH MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION.
SKIN :REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR 15
MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING.
GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

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

=====
Extinguishing Media:USE DRY CHEMICAL, CARBON DIOXIDE, FOAM, HALOGEN.
Fire Fighting Procedures:USE OF WATER IN EXTINGUISHING BURNING
BATTERIES MAY CAUSE SPATTERING DUE TO THE PRESENCE OF MOLTEN LEAD.
WEAR SCBA AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:AFTER ELECTROLYTE IS ADDED AND BATTERY IS
BEING CHARGED, HYDROGEN GAS IS PRODUCED. BATTERY MAY EXPLODE IF
HYDROGEN GAS TRAPPED INSIDE THE CASE SHOULD IGNITE.

=====
Accidental Release Measures

Spill Release Procedures:SHOULD A BATTERY BREAK OPEN, ISOLATE AREA.
ELECTROLYTE SHOULD BE ABSORBED WITH A NON-ORGANIC TYPE ABSORBENT
SUCH AS DRY SAND OR EARTH. AVOID DILUTION WITH WATER. LEAD SPILLED
FROM THE BATTERY SHOULD B E VACUUMED, DO NOT SWEEP OR USE
COMPRESSED AIR.
Neutralizing Agent:USE SODA ASH OR BAKING SODA TO NEUTRALIZE THE
ELECTROLYTE.

=====
Handling and Storage

Handling and Storage Precautions:AVOID THE USE OF UNINSULATED TOOLS. IF
THEY ARE REQUIRED, TAKE CARE NOT TO ELECTRICALLY SHORT THE
TERMINALS. REMOVE METAL JEWELRY BEFORE SERVICING.
Other Precautions:UNDER NORMAL CONDITIONS OF USE, EXPOSURE TO LEAD OR
LEAD CONTAINING COMPOUNDS DOES NOT OCCUR. SHOULD A BATTERY BREAK
OPEN AND A LEAD SPILL OCCUR, PRECAUTIONS SHOULD BE TAKEN TO PREVENT
LEAD DUST FROM BECOMING AIR BORNE.

=====
Exposure Controls/Personal Protection

Respiratory Protection:UNDER NORMAL CONDITIONS OF USE, RESPIRATORY
PROTECTION IS NOT REQUIRED. HOWEVER, IF CONDITIONS ARISE THAT
REQUIRE THEIR USE, USE ONLY NIOSH/MSHA RESPIRATORS APPROVED FOR
DUST, FUME AND MIST.
Ventilation:BATTERY CHARGING AREAS MUST BE ADEQUATELY VENTILATED TO
PREVENT HAZARDOUS CONCENTRATIONS OF FLAMMABLE GAS OR ACID MIST.
Protective Gloves:RUBBER GLOVES APPROVED FOR SULFURIC ACID
Eye Protection:CHEMICAL SPLASH GOGGLES AND FACE SHIELD
Other Protective Equipment:EYE WASH ST

ATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE IMPERVIOUS WORK CLOTHING, BOOTS AND APRON AS
REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

THIS MSDS REFLECTS DIFFERENT MFG PART OR SERIES DESIGNATOR FROM PART A
FOR THIS NSN (CAGE: YUASA). ALSO UPDATES CAGE FOR MANUFACTURER. RQ
FOR CERCLA AND SARA III IS 1000 LBS (ELECTROLYTE). MSDS WRITTE N
FOR ELECTR

OLYE- IT IS THE PRIMARY HAZARD DURING NORMAL USE AND
HANDLING.

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

HCC:Z4

Boiling Pt:=95.C, 203.F

B.P. Text:203F,95C

Melt/Freeze Pt:M.P/F.P Text:-94F,-70C

Vapor Pres:10

Vapor Density:>1

Spec Gravity:1.25-1.29

pH:1

Evaporation Rate & Reference: