

YUASA BATTERY AMERICA INC -- NP24-12B,LEAD-ACID BATTERY -- 6140-01-265-0626

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

Product ID:NP24-12B,LEAD-ACID BATTERY

MSDS Date:05/20/1986

FSC:6140

NIIN:01-265-0626

MSDS Number: BLFHY

=== Responsible Party ===

Company Name:YUASA BATTERY AMERICA 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:213-949-4266, 800-423-4667

Preparer's Name:L

.H. BIGGINS

CAGE:77280

=== 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:YUASA-EXIDE INC

Address:2366 BERNVILLE ROAD

Box:14145

City:READING

State:PA

ZIP:19612-4145

Country:US

Phone:610-208-1975

CAGE:77280

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 3

2-40%
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

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Ha

zards Acute and Chronic:ACUTE:INHALATION OF ACID VAPORS MAY
CAUSE SEVERE IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM,
PULMONARY EDEMA, OR LUNG INFLAMMATION. MAY CAUSE SEVERE BURNS TO
SKIN OR EYES. INGESTION MAY CAUSE SEVER E BURNS TO MOUTH, THROAT,
AND STOMACH. MAY AFFECT KIDNEY FUNCTION. CHRONIC:MAY DAMAGE
LUNGS,TEETH EROSION.

Effects of Overexposure:ACID:SEVERE IRRITATION OR BURNS TO EYES, NOSE
AND THROAT. PULMONARY EDEMA, BRONICAL EMPHYSEMA, CONJUNCTIVITIS,
STOMA

TITIS, DENTAL EROSION, NAUSEA AND VOMITING. LEAD:STOMACH
CRAMPS, ANEMIA AND NERVE DA MAGE.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT 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 1

5 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. DRINK 1-2 GLASSES OF WATER/MILK IF CONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONCOBUSTIBLE
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DO NOT USE WATER. NEUTRALIZE SPILL AND/OR WASHINGS WITH SODA ASH OR LIME. WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN, DRY CONTAINER.
Neutralizing Agent:J.T.BAKER'S NEUTRASORB (R) OR TEAM 'LOW NA+' ACID NEUTRALIZERS ARE RECOMMENDED.

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

Handling and Storage Precautions:KEEP BATTERY TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.
Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE THE VAPOR. WASH THOROUGHLY AFTER HANDLING. IN CASE OF SPILL NEUTRALIZE WITH SODA ASH OR LIME.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.
Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.
Protective Gloves:RUBBER GLOVES
Eye Protection

Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO
NOT BREATHE VAPORS OR MISTS. WASH HANDS AFTER HANDLING BATTERY
TERMINALS. DO NOT
OVERCHARGE BATTERY.

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

Boiling Pt:B.P. Text:203F,95C
Melt/Freeze Pt:M.P/F.P Text:-103F,-75C
Vapor Pres:10
Vapor Density:>1
Spec Gravity:1.245-1.295
pH: