

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 AC

ID (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

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

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
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Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards 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 SEVERE 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, BRONCHIAL EMPHYSEMA, CONJUNCTIVITIS, STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING. LEAD:STOMACH CRAMPS, ANEMIA AND NERVE DAMAGE.

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.

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===== First Aid Measures =====
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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 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 SHOV EL, 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 Precau

tions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE 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: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: