

MATSUSHITA ELECTRIC -- LEAD ACID BATTERY -- 6140-01-320-2644

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

Product ID:LEAD ACID BATTERY

MSDS Date:02/25/1987

FSC:6140

NIIN:01-320-2644

MSDS Number: BMGVX

=== Responsible Party ===

Company Name:MATSUSHITA ELECTRIC

Address:1 PANASONIC WAY

Box:1501

City:SECAUCUS

State:NJ

ZIP:07094-2917

Country:US

Info Phone Num:201-348-7000

Emergency Phone Num:201-348-7000

CAGE:54

473

=== Contractor Identification ===

Company Name:ADVANCED INDUSTRIES INC

Address:415 NORTHCUTT STREET

Box:5666

City:LONGVIEW

State:TX

ZIP:75608

Country:US

Phone:214-236-4101

CAGE:0GA21

Company Name:ARCAIR CO SUB OF AIR PRODUCTS AND CHEMICALS INC

Address:4200 WEST HARRY ST

Box:12250

City:WICHITA

State:KS

ZIP:67277

Country:US

Phone:316-942-1421

CAGE:09687

Company Name:L AND M WELDING SUPPLY INC

Address:568 WESTERN DR

Box:City:MOBILE

State:AL

ZIP:36607-1420

Country:US

Phone:334-470-9997

CAGE:1HJ9

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Company Name:MATSUSHITA ELECTRIC
Address:1 PANASONIC WAY
Box:1501
City:SECAUCUS
State:NJ
ZIP:07094-2917
Country:US
Phone:201-348-7000
CAGE:54473

Company Name:NETEX INDUSTRIES(FORMER NORTHEAST TEXAS IND)
Address:1700 NORTH EDWARDS STREET
Box:City:MOUNT PLEASANT
State:TX
ZIP:75455
Country:US
Phone:903-577-0388
CAGE:0WAG0

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

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 10-20%
Other REC Lim
its: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
Fraction by Wt: 30-60%
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

Ingred Name:LEAD PEROXIDE (LEAD DIOXIDE), (FOR OSHA PEL SEE 29CFR
1910.1025)
CAS:1309-60-0
RTECS #:OG0700000
Fraction by Wt: 5-25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M

3 (PB)
ACGIH TLV:0.15 MG/M3(PB); 9192

Ingred Name:LEAD SULFATE (SARA III)
CAS:7446-14-2
RTECS #:OG4375000
Fraction by Wt: 1-25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3 (PB)
ACGIH TLV:0.15 MG/M3 (PB) 9192
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 ORAL RAT IS 2140 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazard
Acute and Chronic:ACUTE: BURNS, SEVERE IRRITATION OF
SKIN, EYES, MOUTH, THROAT, ESOPHAGUS AND STOMACH; INFLAMMATION OF
BRONCHIAL MEMBRANES. CHRONIC: EROSION OF TEETH, INFLAMMATION OF
NOSE, THROAT AND BRONCHIAL TUBES.
Explanation of Carcinogenicity:LEAD IS ANTICIPATED CARCINOGENIC BY NPT,
POSSIBLY CARCINOGENIC TO HUMANS BY IARC.
Effects of Overexposure:COUGH, INCREASED RESPIRATORY RATE, STINGING,
BURNING SENSATION ON SKIN, EYE IRRITATION, DISCOLORATION OF TEETH.
Medical Condition
Aggravated by Exposure:EXPOSURE TO MISTS MAY CAUSE LUNG
DAMAGE AND AGGRAVATE PULMONARY CONDITIONS.

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

First Aid:EYES/SKIN: FLUSH WITH PLENTY OF WATER. SEE DOCTOR
IMMEDIATELY. REMOVE CONTAMINATED CLOTHING AND SHOES. INHALATION:
REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR.
INGESTION: DO NOT INDUCE VOMIT. GIVE MILK OR WATER, FOLLOWED BY 2
OUNCES OF MILK OF MAGNESIA (NO CARBONATES). SEE DOCTOR IMMEDIATELY.

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

Flash Point:NONE
Lower Limits:4.0(HYDROGEN)
Upper Limits:75(HYDROGEN)
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL,
OR DRY SAND.
Fire Fighting Procedures:EVACUATE AREA. REMOVE ALL IGNITION SOURCES.
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SCBA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:HYDROGEN GAS MAY BE PRODUCED AND MAY
EXPLODE

EXPLODE IF IGNITED. REMOVE ALL IGNITION SOURCES. VENTILATE AREA.

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

Spill Release Procedures: WEAR APPROPRIATE PROTECTIVE EQUIPMENT. DILUTE CAUTIOUSLY WITH WATER. COVER WITH SODA ASH OR QUICKLIME. SCOOP UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. FLUSH AREA WITH LARGE AMOUNTS OF WATER.

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

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

Handling and Storage Precautions: STORE AT ROOM TEMPERATURE. STORE AWAY FROM FLAMES, IGNITION SOURCES, COMBUSTIBLE AND ORGANIC MATERIALS. AVOID PROLONGED OVERCHARGING.

Other Precautions: DO NOT CARRY BATTERY BY TERMINALS. DO NOT DROP BATTERY, PUNCTURE OR ATTEMPT TO OPEN BATTERY CASE. KEEP TERMINALS COVERED IN PLASTIC CASE. AVOID SHORTING BATTERIES.

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

Respiratory Protection: NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED CARTRIDGE RESPIRATOR FOR ACIDS OR FULL FACE MASK AS APPROPRIATE FOR EXPOSURE OF CONCERN WHEN TLV IS EXCEEDED.

Ventilation: GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CONFINED AREAS.

Protective Gloves: RUBBER GLOVES IF CONTACT IS EXPECTED.

Eye Protection: GOGGLES IF CONTACT IS EXPECTED.

Other Protective Equipment: RUBBER APRON AND BOOTS IF CONTACT IS EXPECTED. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

OVERCHARGING OR ABUSE TO THE TERMINALS CAN RESULT IN THE RELEASE OF ACID OR ACID VAPORS. DISCONNECT AND CLEAN TERMINALS WITH MILD BAKING SODA SOLUTION AND WASH WITH WATER. THIS MSDS WAS PREPARED FOR EXPOSURE TO SULFURIC ACID. MANUFACTURER STATES LCR SEALED LEAD BATTERIES DO NOT REQUIRE AN MSDS.

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

HCC: N1

pH: ACIDIC

Solubility in Water: COMPLETE

Appearance and Odor: ACID SOLUTION

N PLASTIC CASE

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

Stability Indicator/Materials to Avoid: YES

ORGANIC MATERIALS, CHLORATES, CARBIDES, FULMINATES, WATER, POWDERED METALS (NOTE; REACTS VIOLENTLY WITH WATER).

Stability Condition to Avoid: AVOID SHORTING, USE ONLY APPROVED CHARGING METHODS. AVOID HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: SULFURIC ACID FUMES, SULFUR DIOXIDE, SULFUR TRIOXIDE, CARBON MONOXIDE, HYDROGEN GAS.

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

Waste Disposal Methods: CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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