

EAST PENN MFG CO INC -- BATTERY WET,FILLED WITH ACID & UN 2794 PGIII -- 6140-01-300-4836

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Product Identification  
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Product ID:BATTERY WET,FILLED WITH ACID & UN 2794 PGIII

MSDS Date:04/01/1994

FSC:6140

NIIN:01-300-4836

MSDS Number: BNRLF

=== Responsible Party ===

Company Name:EAST PENN MFG CO INC

Address:DEKA RD

City:LYON STATION

State:PA

ZIP:19536

Country:US

Info Phone Num:610-682-6361

Em

ergency Phone Num:610-682-6361/800-424-9300(CHEMTREC)

CAGE:04055

=== Contractor Identification ===

Company Name:EAST PENN MFG CO INC

Address:DEKA RD

Box:City:LYON STATION

State:PA

ZIP:19536

Country:US

Phone:610-682-6361

CAGE:04055

Company Name:NORTHWESTERN MOTOR CO INC

Address:1125 STARR AVE

Box:265

City:EAU CLAIRE

State:WI

ZIP:54702

Country:US

Phone:715-835-3151

CAGE:44185

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Composition/Information on Ingredients  
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Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF

7525000

Fraction by Wt: 43-70%

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:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Fraction by Wt: 0-4%

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG SB/M3; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 20-44%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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Hazards Identification =====

LD50 LC50 Mixture:TLV FOR SULFURIC ACID IS 1 MG/M3.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, CNS, SKIN. ACUTE-

LEAD MAY CAUSE GI UPSET, DIARRHEA, CNS EFFECTS, CRAMPING & FATIGUE.

SULFURIC ACID MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION,

BURNS, CORNEAL & LUNG DAMAGE. CHRONIC- LEAD MAY CAUSE ANEMIA,

KIDNEY& N

ERVOUS SYSTEM DAMAGE. ACID CAN CAUSE BRONCHITIS, EROSION

OF TOOTH ENAMEL.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:GI UPSET, LOSS OF APPETITE, DIARRHEA,

CONSTIPATION, CRAMPING, LACK 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 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.

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

Flash Point:NON-FLAMMABLE

Lower Limits:4% HYDROGEN

Upper Limits:74% HYDROGEN

Ex

Extinguishing Media:USE CLASS ABC EXTINGUISHER, CARBON DIOXIDE, HALON.  
COOL OUTSIDE OF BATTERIES EXPOSED TO HEAT OF FIRE WITH WATER SPRAY.

Fire Fighting Procedures:WEAR ACID-RESISTANT CLOTHING AND 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 (H<sub>2</sub> 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 IN PLASTIC CASE. 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.

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

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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

Protective Gloves:RUBBER

Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES

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

Work Hygienic Practices:REMOVE METALLIC JEWELRY-SHOCK POTENTIAL. WASH  
THOROUGHLY AFTER HANDLIN

G AND BEFORE EATING AND DRINKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:APPROX 235F

Vapor Pres:13 (H2SO4)

Spec Gravity:1.220 - 1.325

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:BATTERY CONTAINING SULFURIC ACID AND LEAD.

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLES, ORGANIC MATERIALS, METALS, REDUCING AGENTS, STRONG  
OXIDIZING AGENTS, WATER, BASES

Stability Condition to Avoid:HIGH HEAT (160-410C/322-770F), OPEN  
FLAMES, OVERCHARGING, SMOKING, SPARKS

Hazardous Decomposition Products:LEAD OXIDE, HYDROGEN, SULFUR DIOXIDE,  
SULFUR TRIOXIDE, ANTIMONY OXIDE

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

Waste Disposal Met

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

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