

EAST PENN MFG CO INC -- BATTERY WET, FILLED WITH ACID -- 6140-00-057-2554

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Product Identification  
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Product ID: BATTERY WET, FILLED WITH ACID

MSDS Date: 04/01/1994

FSC: 6140

NIIN: 00-057-2554

MSDS Number: BWRJK

=== Responsible Party ===

Company Name: EAST PENN MFG CO INC

Address: DEKA RD

City: LYON STATION

State: PA

ZIP: 19536

Country: US

Info Phone Num: 215-682-6361/

Emergency Phone Num: 800-424-93

00 (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

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

CAS: 7439-92-1

RTECS #: OF7525000

Fraction by Wt: 43-70%

Other REC Limits: NONE RECOMMENDED

OSHA PEL: SEE 1910.1025

ACGIH TLV: 0.15 MG/M3, DUST; 9394

EPA Rpt Qty: 1 LB

DOT Rpt Qty: 1 LB

Ingred Name: SULFURIC ACID (SAR

A III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 20-44%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ANTIMONY (SARA III)  
CAS:7440-36-0  
RTECS #:CC4025000  
Fraction by Wt: 0-4%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG (SB)/M3; 9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin  
:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SHORT TERM EXPO:SULFURIC ACID MAY  
CAUSE IRRIT OF EYES/NOSE/THROAT. PROLONGED CONTACT MAY CAUSE SEVERE  
BURNS. LONG TERM EXPOSURE:REPEATED CONTACT CAUSES IRRIT & SKIN  
BURNS. REPEATED EXPO TO MIST MAY CAUSE ERROSION OF TEETH, CHRONIC  
EYE IRRIT &/OR CHRONIC INFLAMMATION OF NOSE/THROAT/BRONCHIAL TUBES.  
Effects of Overexposure:ACID CONTACT MAY CAUSE IRRIT OF  
EYES/NOSE/THROAT.  
BREATHING OF MIST MAY PRODUCE RESPIRATORY  
DIFFICULTY. CONTACT W/EYES & SKIN CAUSES IRRITATION & SKIN BURNS.  
SULFURIC ACID IS A CORROSIVE CHEMICAL.  
Medical Cond Aggravated by Exposure:PULMONARY EDEMA, BRONCHITIS,  
EMPHYSEMA, DENTAL ERROSION, AND TRACEOBRONCHITIS.

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===== First Aid Measures =====  
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First Aid:FLUSH CONTACTED AREA W/LG AMTS OF WATER FOR @LEAST 15MINS.  
REMOVE CONTAMINATED CLOTHING & OBTAIN MED ATTN. IF SWALLOWED GIVE  
LG VOLS OF W

ATER. DO NOT INDUCE VOMITING, OBTAIN MED TREATMENT.  
EYEWASH & S HOWER STATIONS SHOULD BE MADE AVAILABLE.

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

Flash Point:NON-FLAMMABLE

Lower Limits:4, HYDROGEN

Upper Limits:74, HYDROGEN

Extinguishing Media:CLASS ABC EXTINGUISHER, CO2 &/OR HALON. (NOTE:HALON IS AN ODS.)

Fire Fighting Procedures:COOL EXTERIOR OF BATTERY IF EXPO TO FIRE TO PREVENT RUPTURE.THE CAID MIST/VAP IN FIRE SITUATION ARE CORROSIVE.WEAR SPECIAL RESP PROTECTION (SCBA) & CLOTHING.

Unusual Fire/Explosion Hazard:HYDROGEN GAS WHICH MAY EXPLO IF IG IS PRODUCED BY BATTERY ESPECIALLY WHEN CHARGING.USE ADEQUATE VENTILATION, AVOID OPEN FLAMES/SPARKS/OTHER SOURCES OF IGNITION.

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

Spill Release Procedures:SULFURIC ACID:DILUTE SPILL CAUTIOUSLY W/5-6 VOLUMES OF WATER & GRADUALLY NEUTRALIZE W/SODIUM BICARBONATE, SODA ASH OR LIME. WHEN EXPOSURE LEVEL IS NOT KNOWN WEAR NIOSH APPROVED POSITIVE PRESSURE SELF- CONTAINED BREATHING APPARATUS. (REF DOTUN2796).

Neutralizing Agent:SODIUM BICARBONATE, SODA ASH, LIME.

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

Handling and Storage Precautions:STORE AWAY FROM REACTIVE MATERIAL-STRONG OXIDIZING AGENST SUCH AS HOT NITRIC ACID, ETC.

Other Precautions:SODIUM BICARBONATE, SODA ASH, SAND, OR LIME SHOULD BE KEPT IN SAME GENERAL AREA FOR EMERGENCY USE. HYDROGEN GAS IR GENERATED BY B

ATTERY ESPECIALLY WHEN CHARGING. IF BATTERY CASE IS BROKEN AVOID DIRECT CONTACT W/INTERNAL COMPONENTS.

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

Respiratory Protection:ACID GAS RESP REQUIRED WHEN PEL IS EXCEEDED OR EMPLOYEE WITNESSES RESP IRRIT.

Ventilation:MUST BE PROVIDED WHEN CHARGING IN ENCLSD AREA(29CFR1910.178(G)&.305(J)(7)).MECH(GEN):ACCEPTABLE @1-4 AIR EXCHANGE(SUPPL)

Protective Gloves:ACID RESISTANT (RUBBER)

Eye Protection:PREFERRED.

Other Pr

Protective Equipment:ACID RESISTANT APRONS, BOOTS, PROTECTIVE CLOTHING. EYEWASH & SHOWER STATIONS SHOULD BE MADE AVAILABLE.

Work Hygienic Practices:GOOD PERSONAL HYGIENE & WORK PRACTICES ARE MANDATORY. LAUNDRY CONTAMINATED CLOTHING PRIOR TO REUSE.

Supplemental Safety and Health

VENTILATION:PER HR OR TO MAINTAIN AIR CONC BELOW PEL.LOC BLDG/FIRE CODES MAY REQUIRE EXPLOSION PROOF FANS & EQPMT.

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

HCC:T6

Boiling Pt:B.P. Te

xt:235F,113C

Vapor Pres:13

Spec Gravity:1.220-1.325

Evaporation Rate & Reference: